



1/45

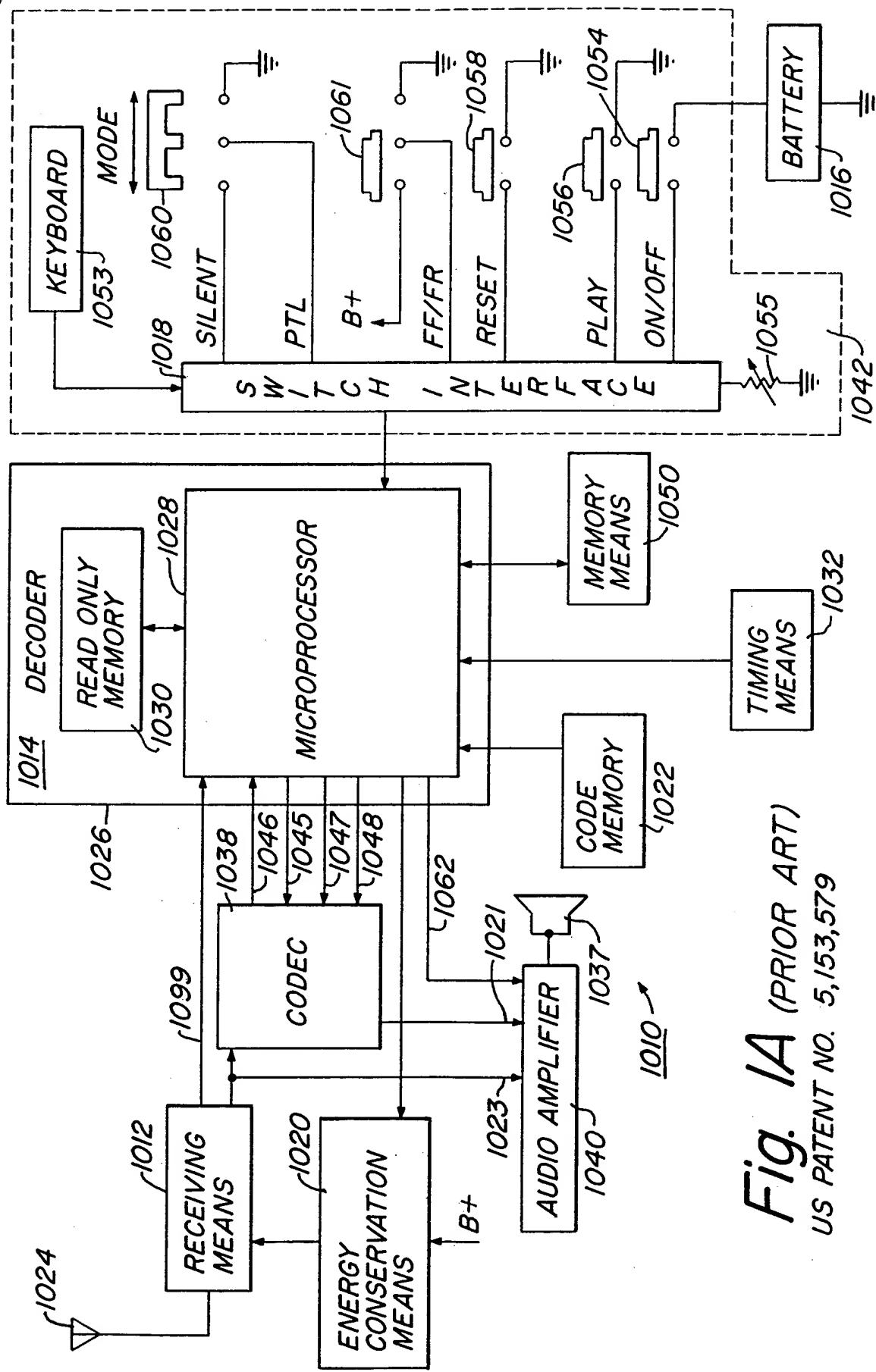


Fig. 1A (PRIOR ART)
 US PATENT NO. 5,153,579

2/45

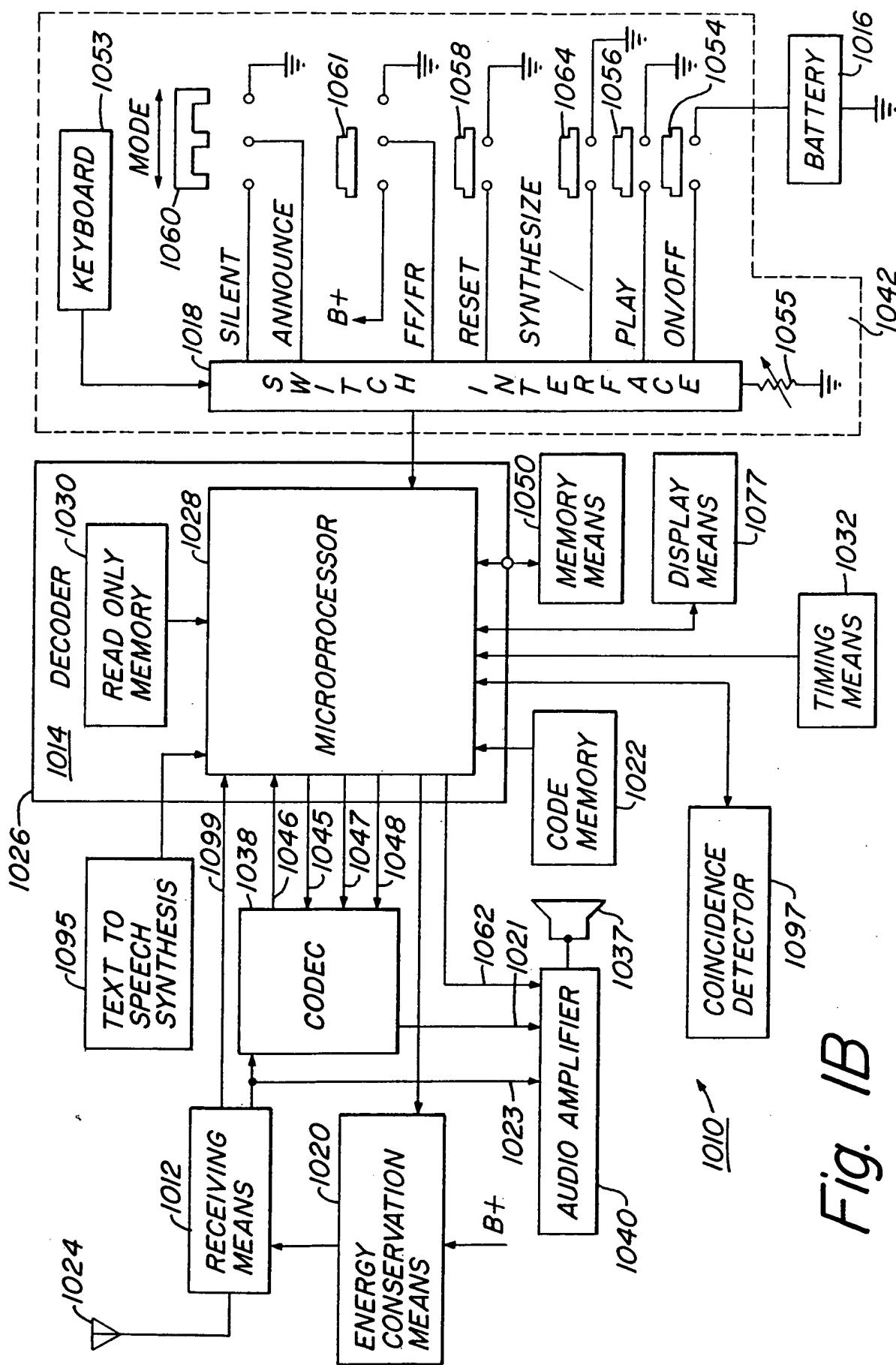


Fig. 1B

3/45

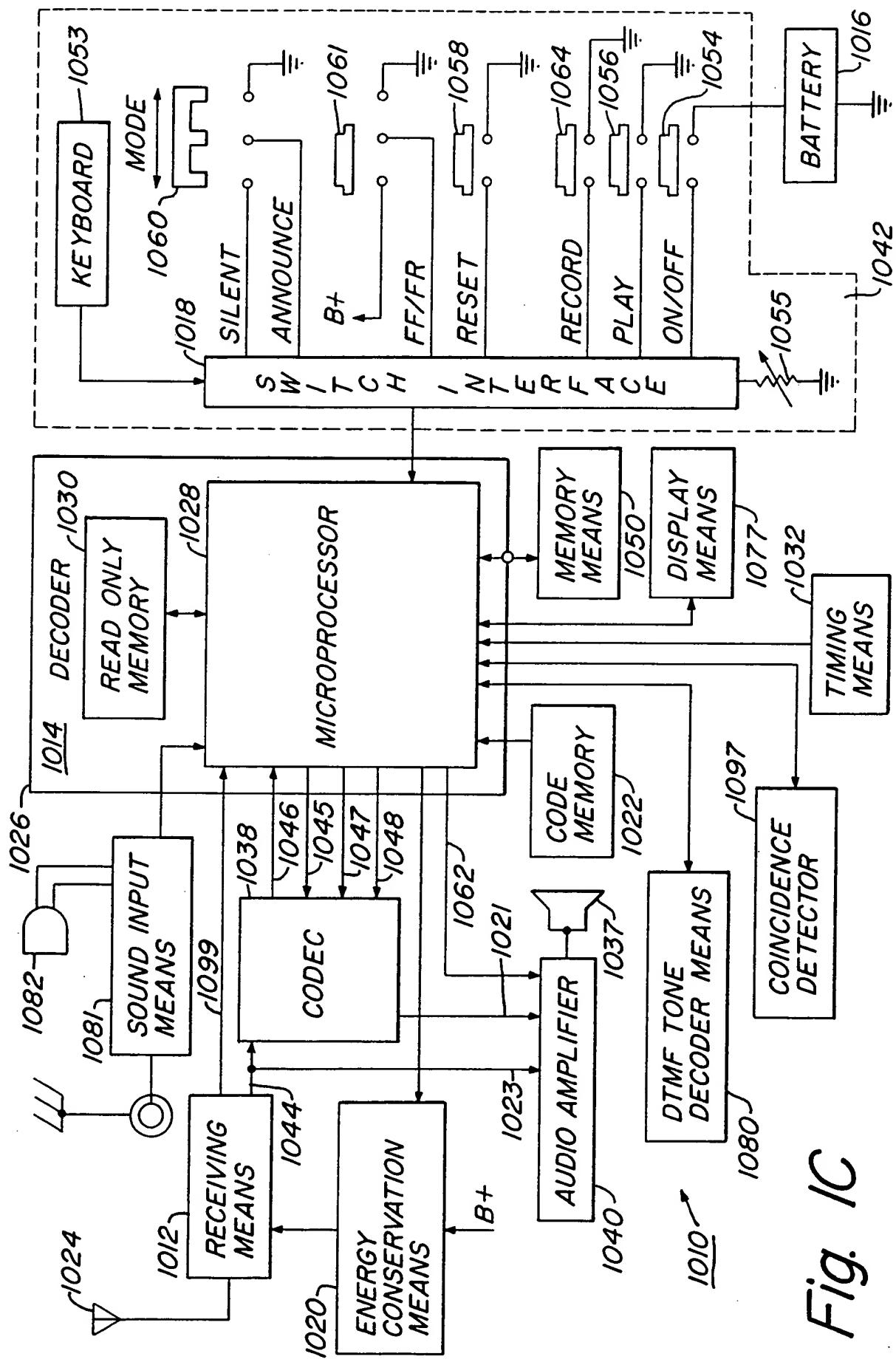


Fig. IC

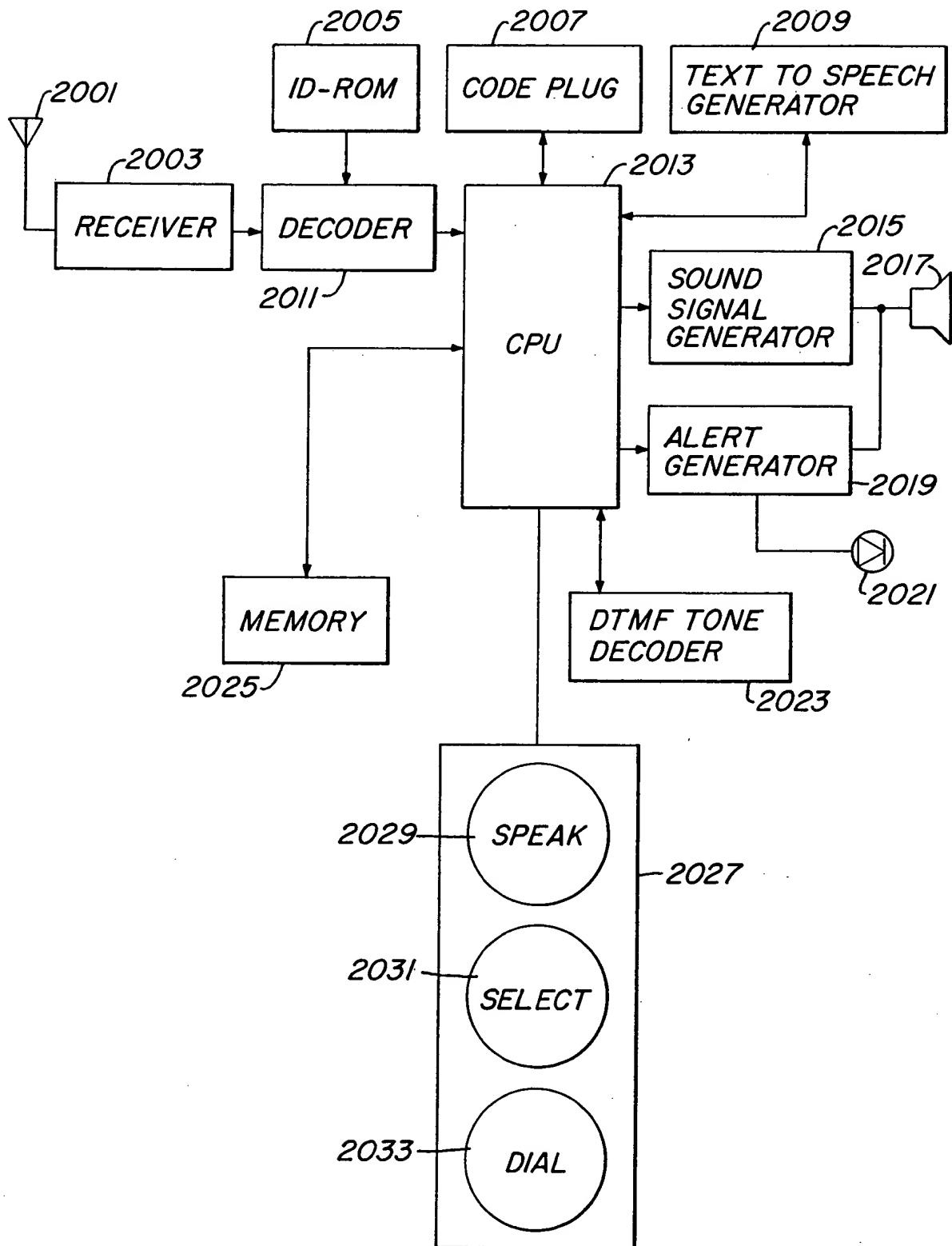


Fig. 1D

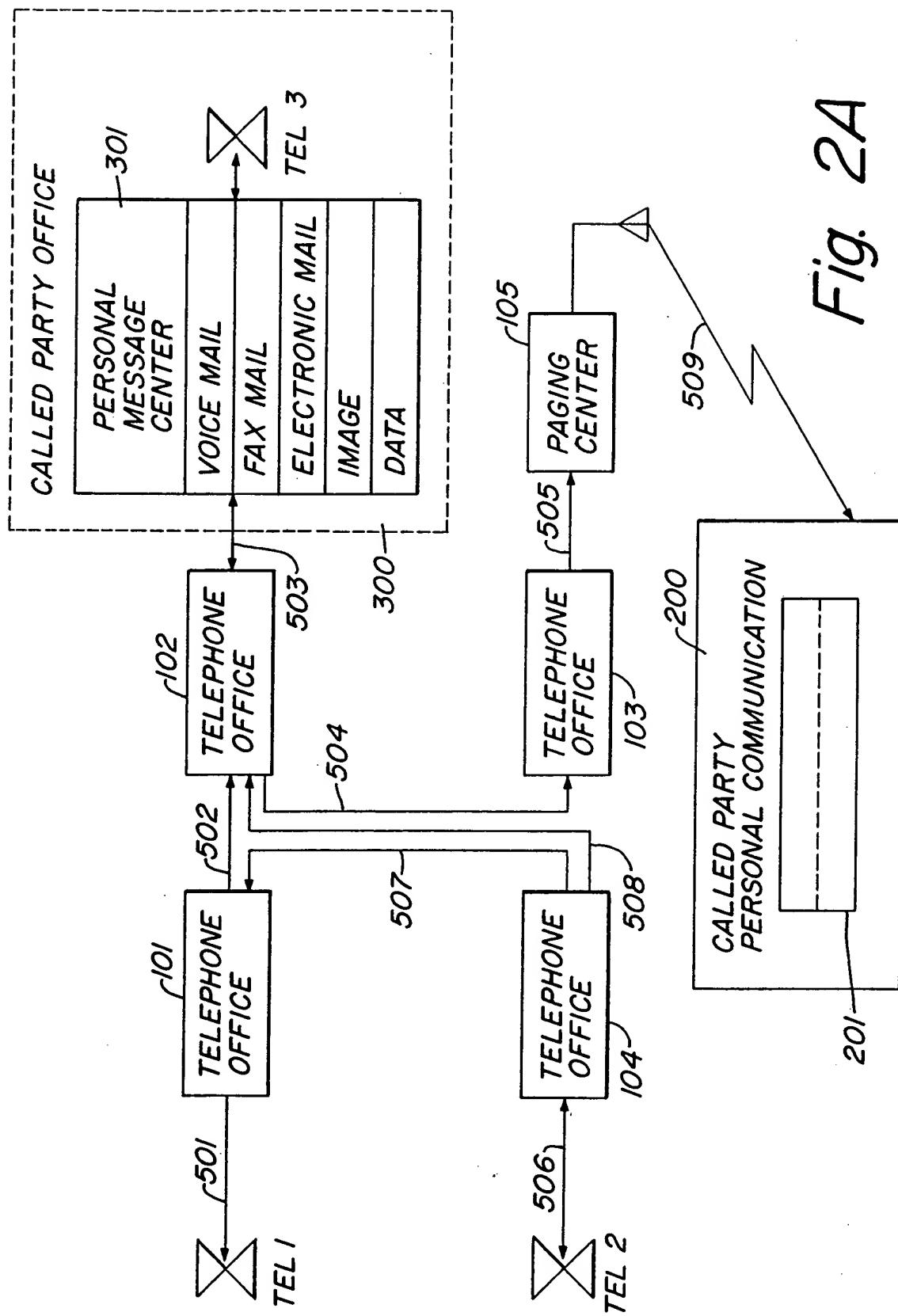
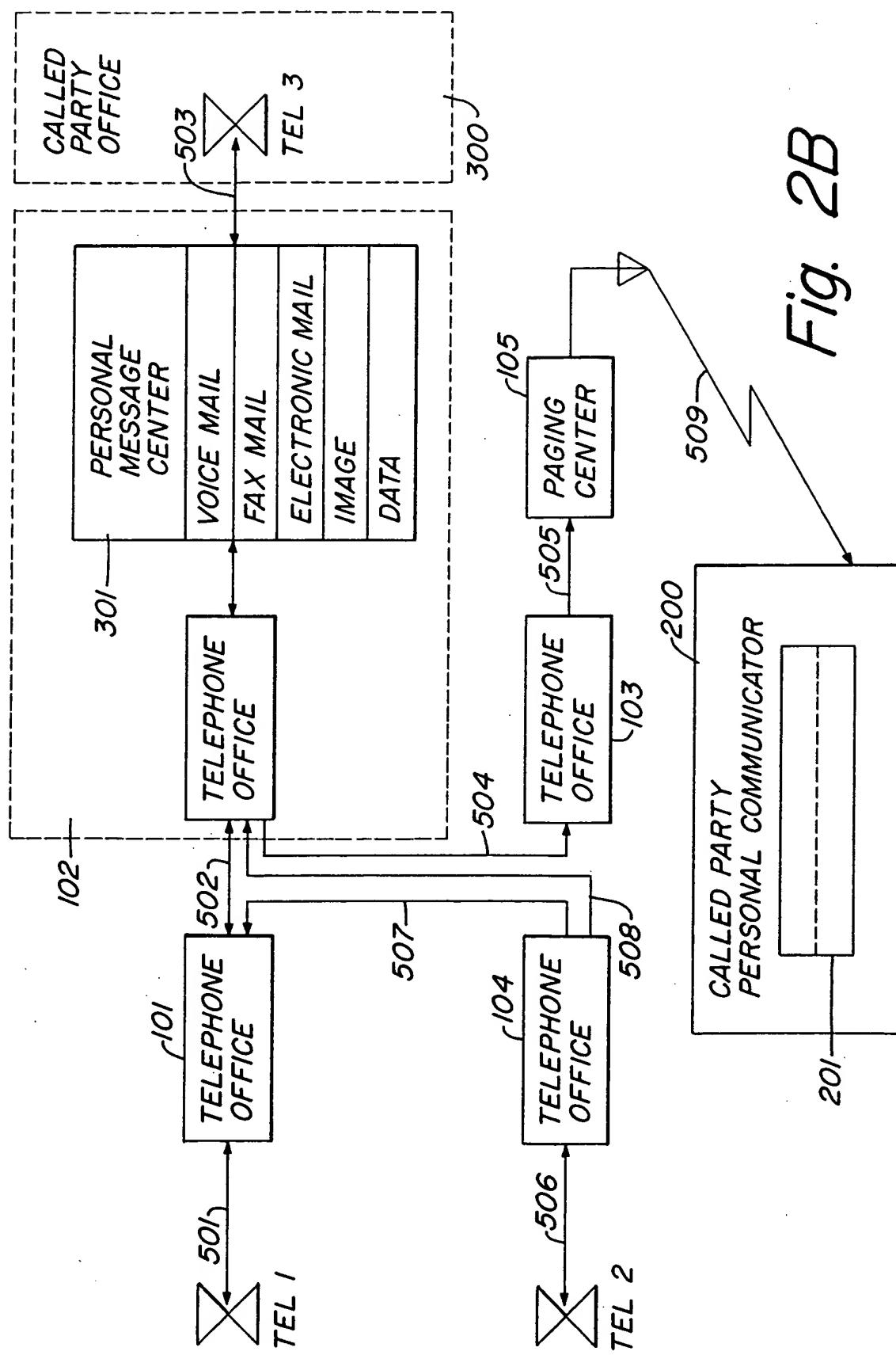


Fig. 2A



7/45

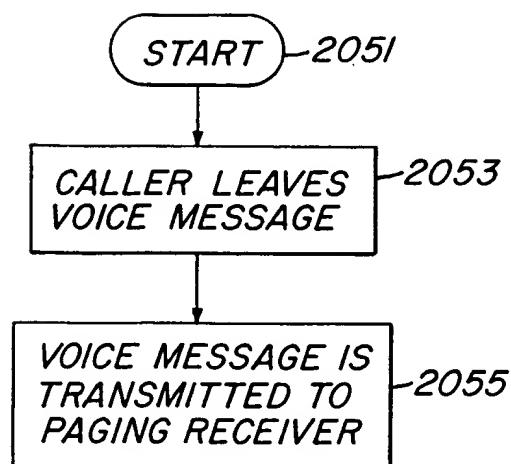


Fig. 3A
(PRIOR ART)

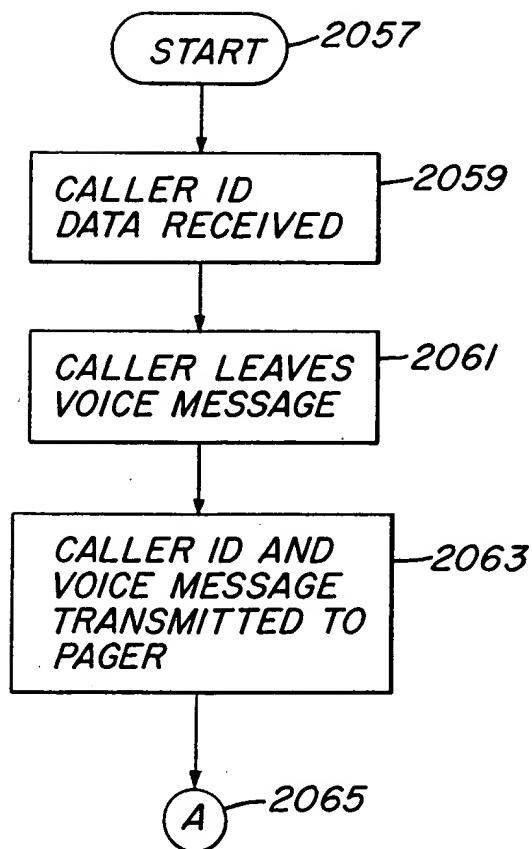
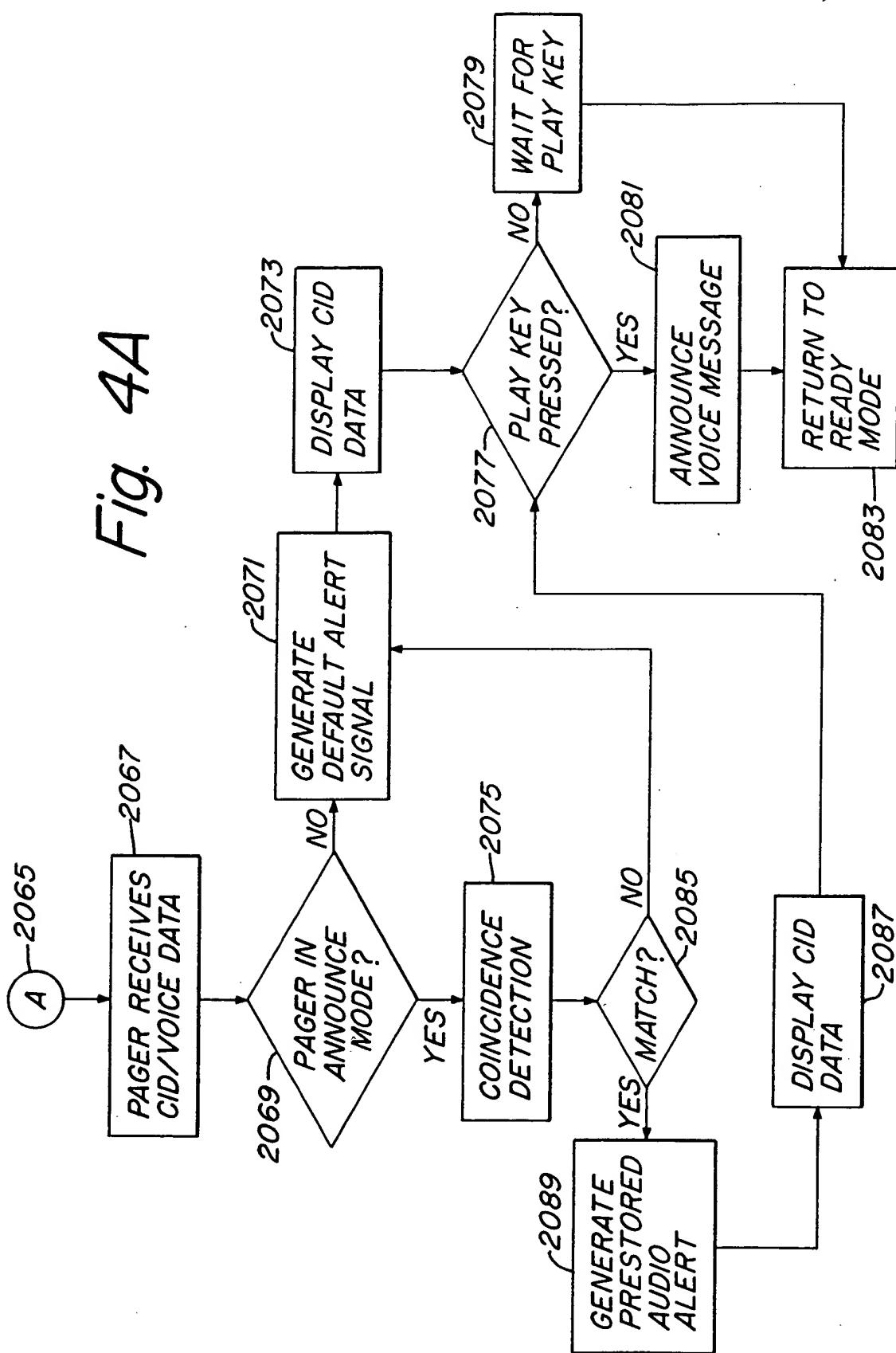
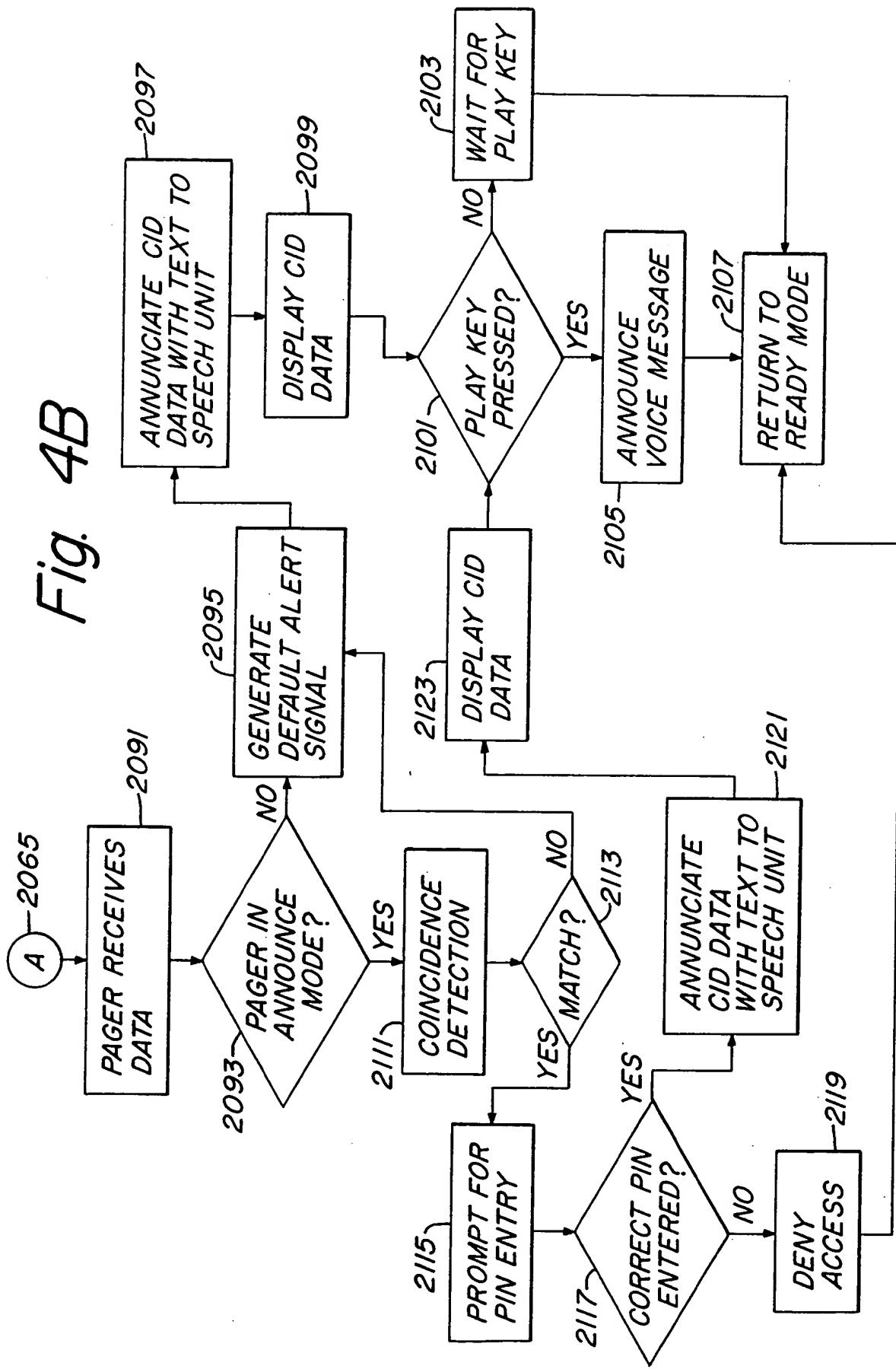


Fig. 3B



9/45

Fig. 4B



10/45

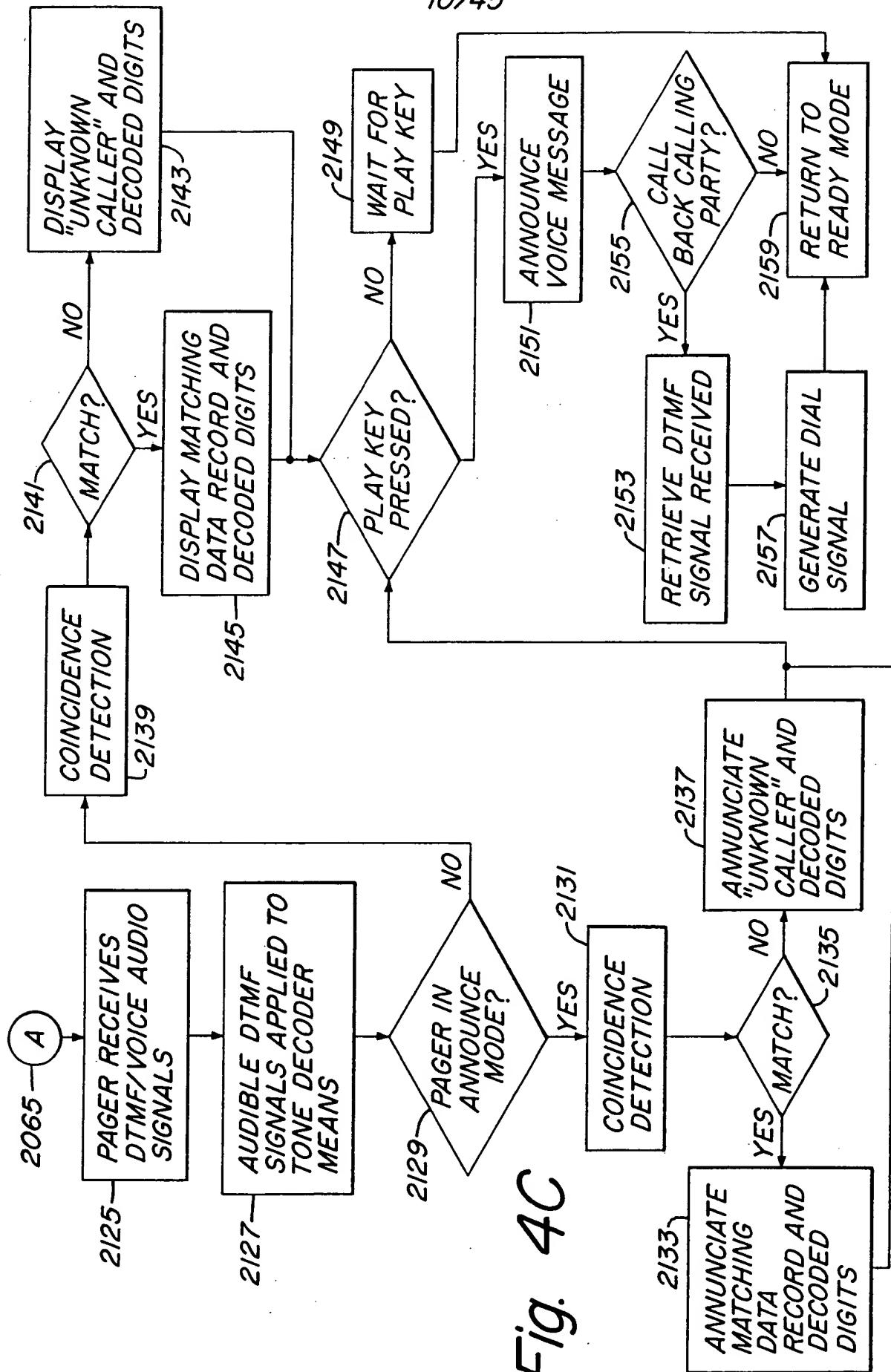


Fig. 4C

11/45

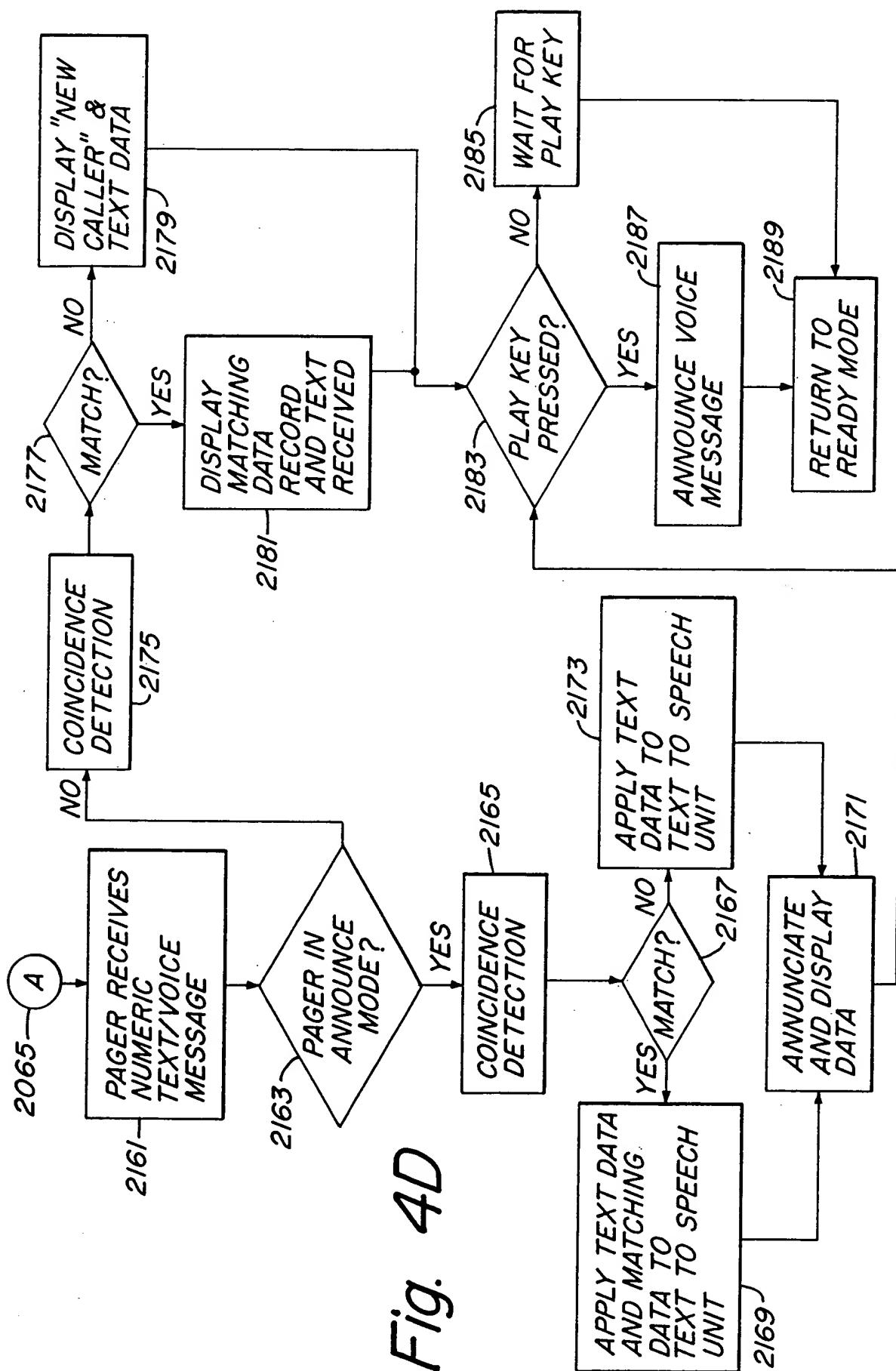
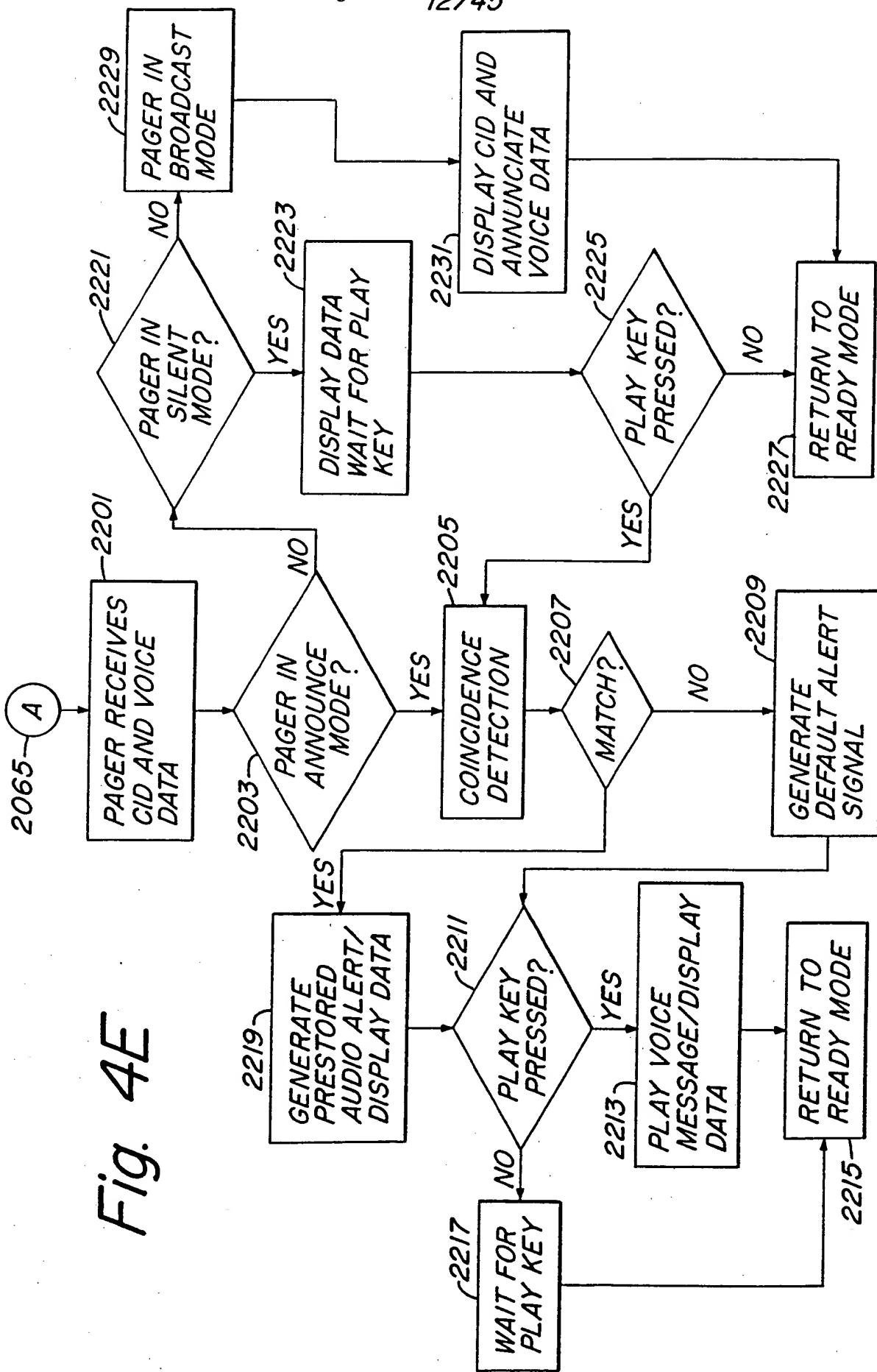


Fig. 4E



13/45

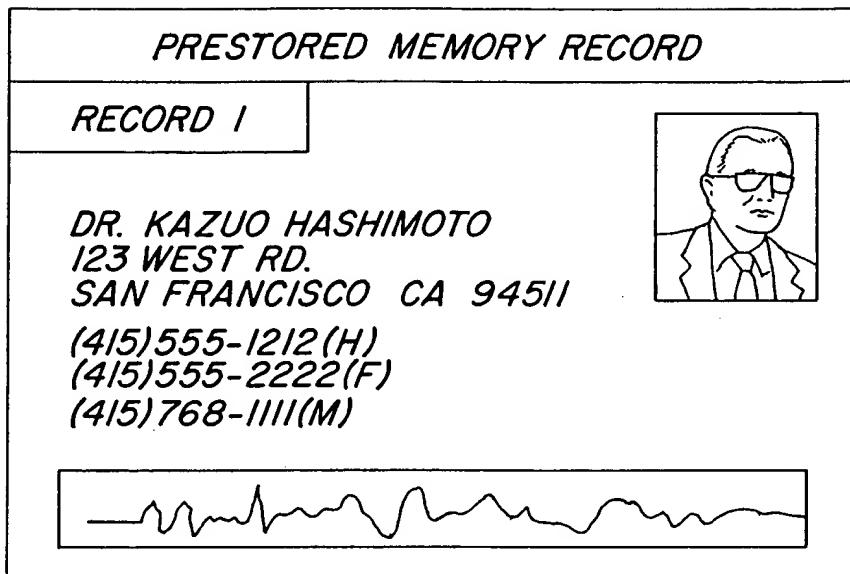


Fig. 5A

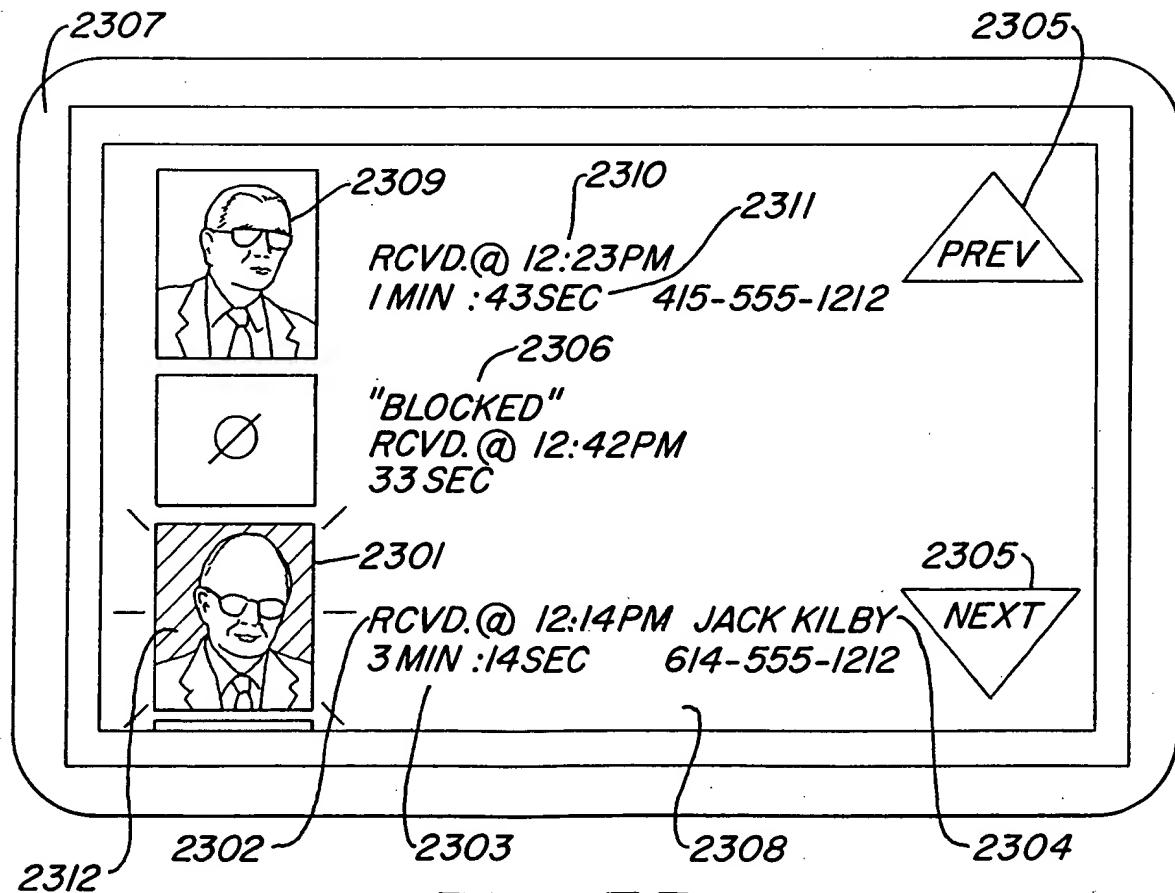


Fig. 5B

14/45

CALLER ID MEMORY ADDRESS REGISTER				
CALL	CALLING NUMBER	CALLING NAME	TIME/DATE	VOICE DATA
1	4/5-555-1212	KAZUO HASHIMOTO	12:23 PM 3/13/93	~~~~~
2	BLOCKED		12:42 PM 3/13/93	BLOCKED
3	6/9-555-1212	JACK KILBY	02:14 PM 3/13/93	~~~~~
			.	.
			.	.
			.	.
			.	.
			.	.
X	8/7-555-1212	THOMAS EDISON	01:33 AM 3/14/93	~~~~~

Fig. 5C

15/45

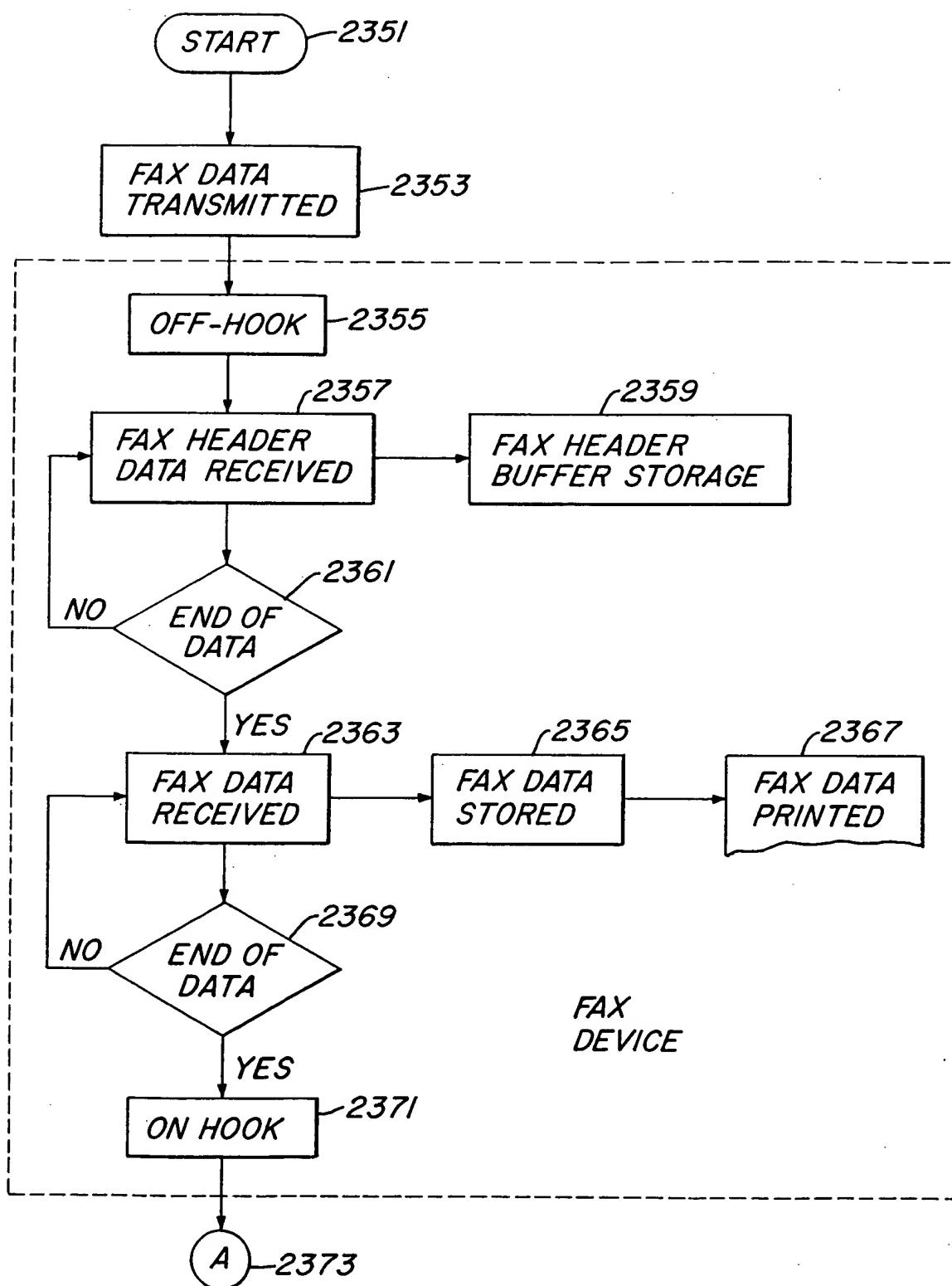


Fig. 6A

16/45

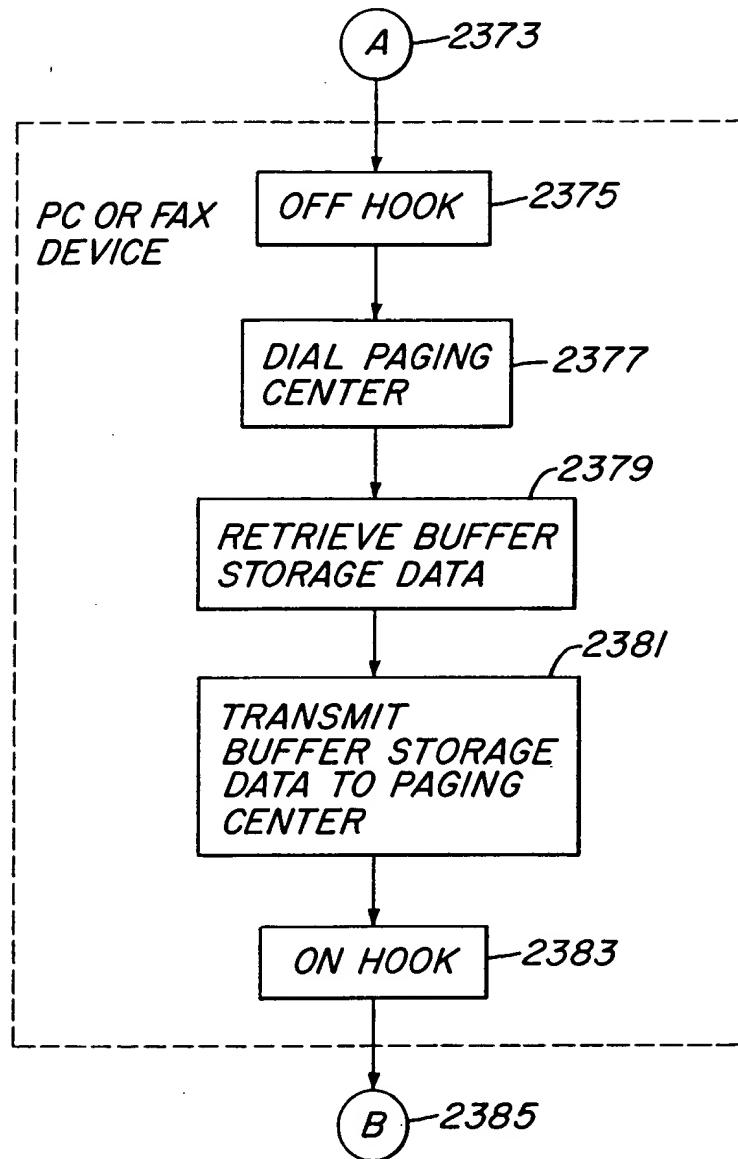


Fig. 6B

17/45

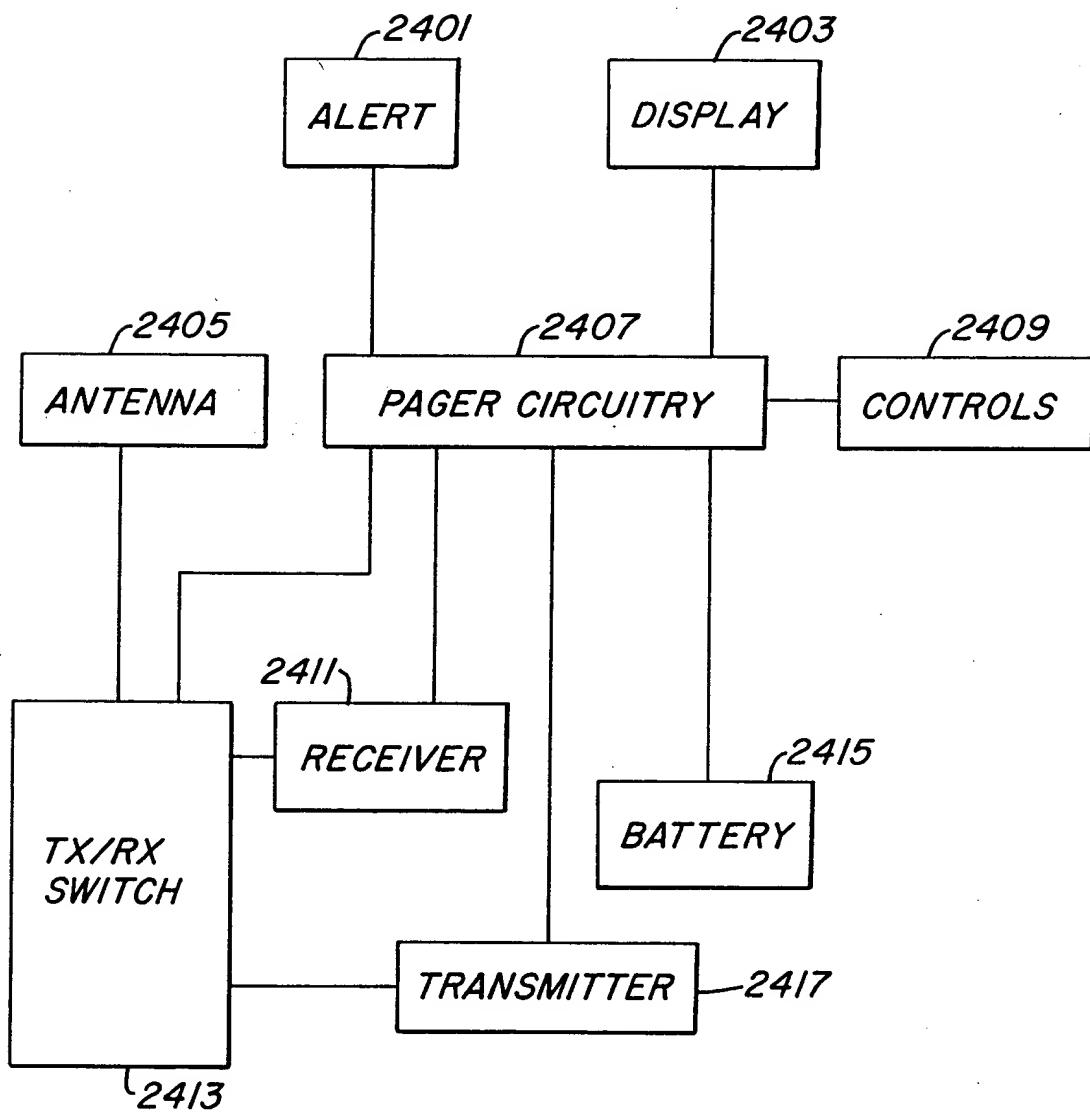


Fig. 7A

18/45

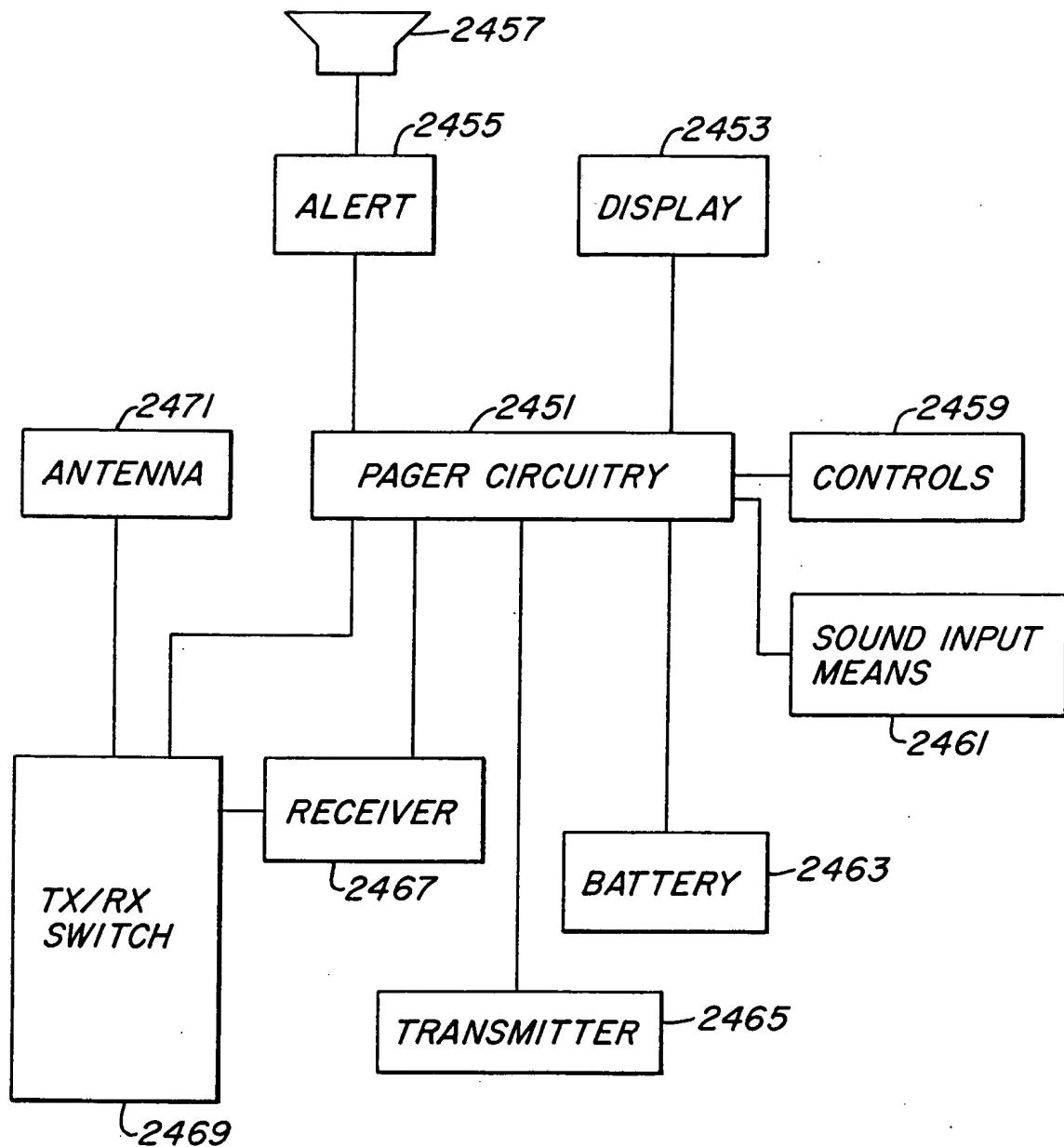


Fig. 7B

19/45

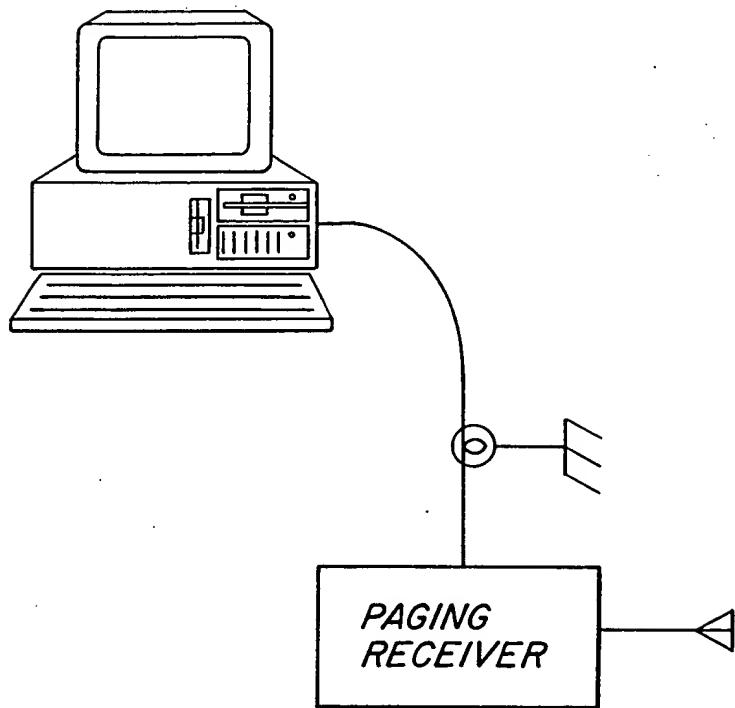


Fig. 8A

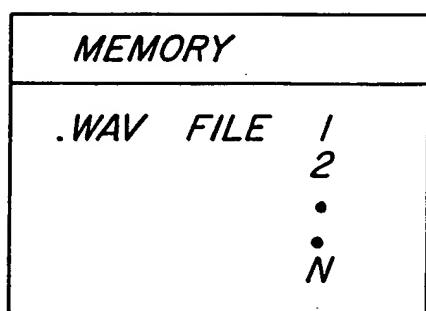
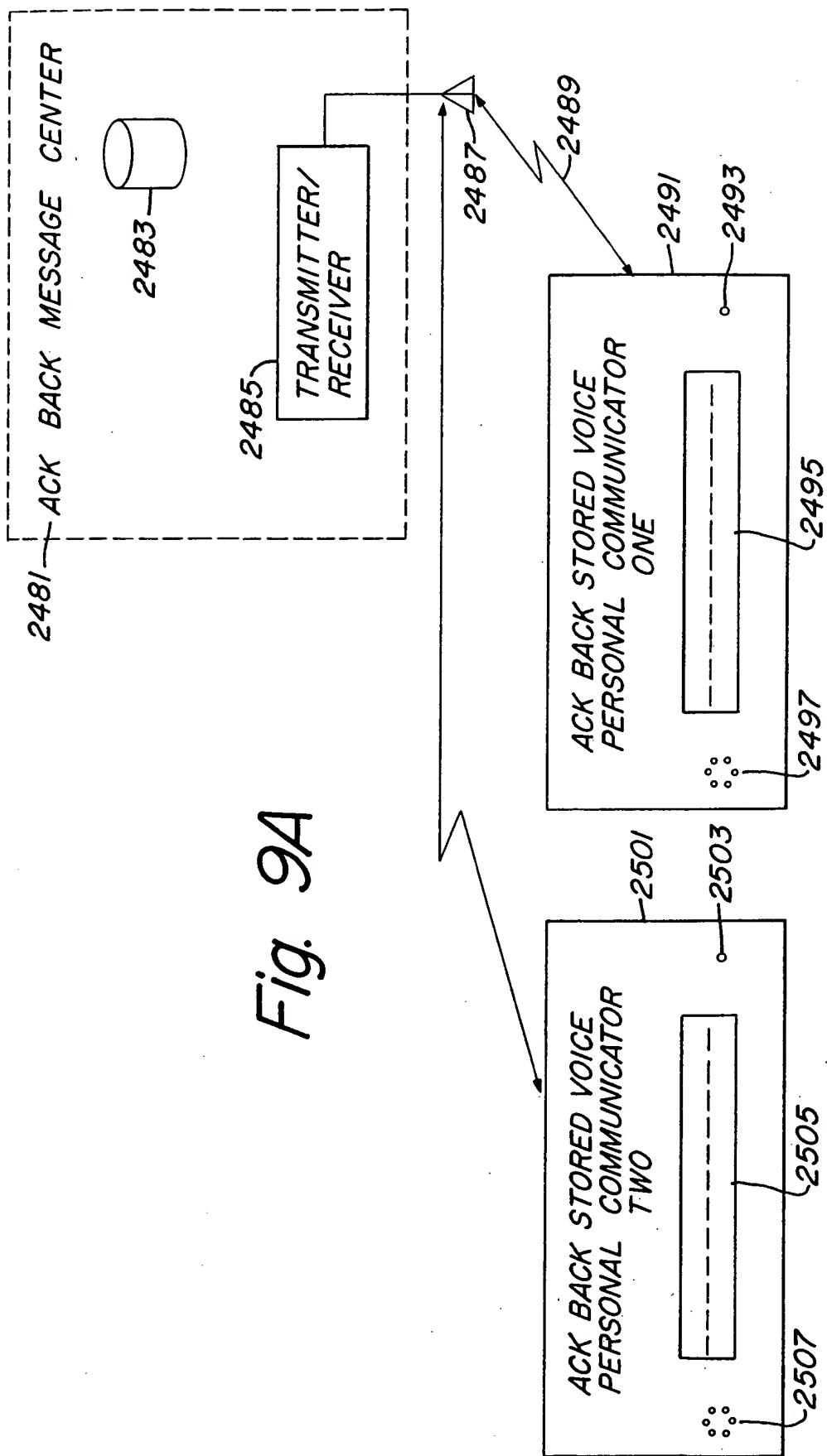


Fig. 8B

20/45

Fig. 9A



21/45

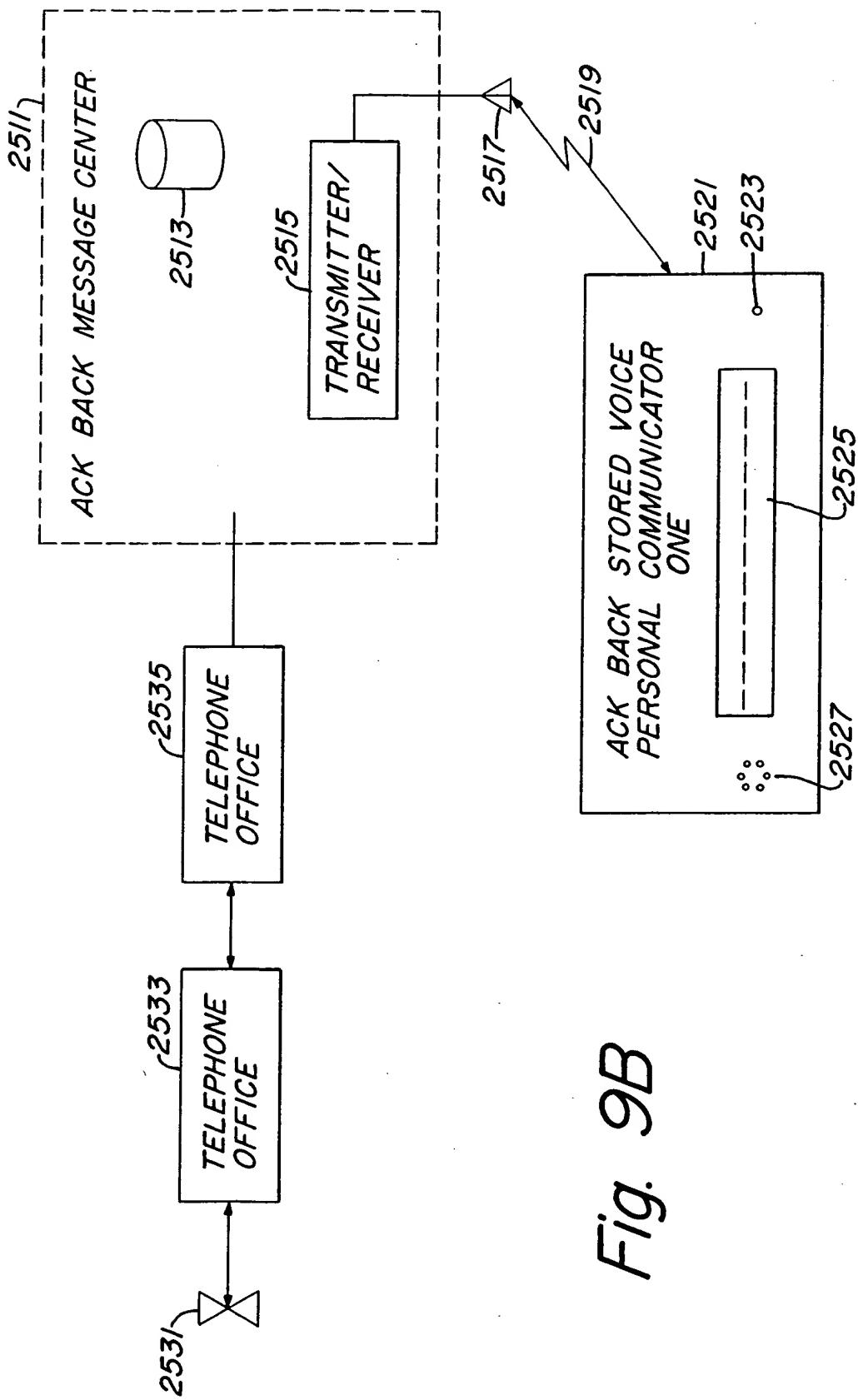


Fig. 9B

22/45

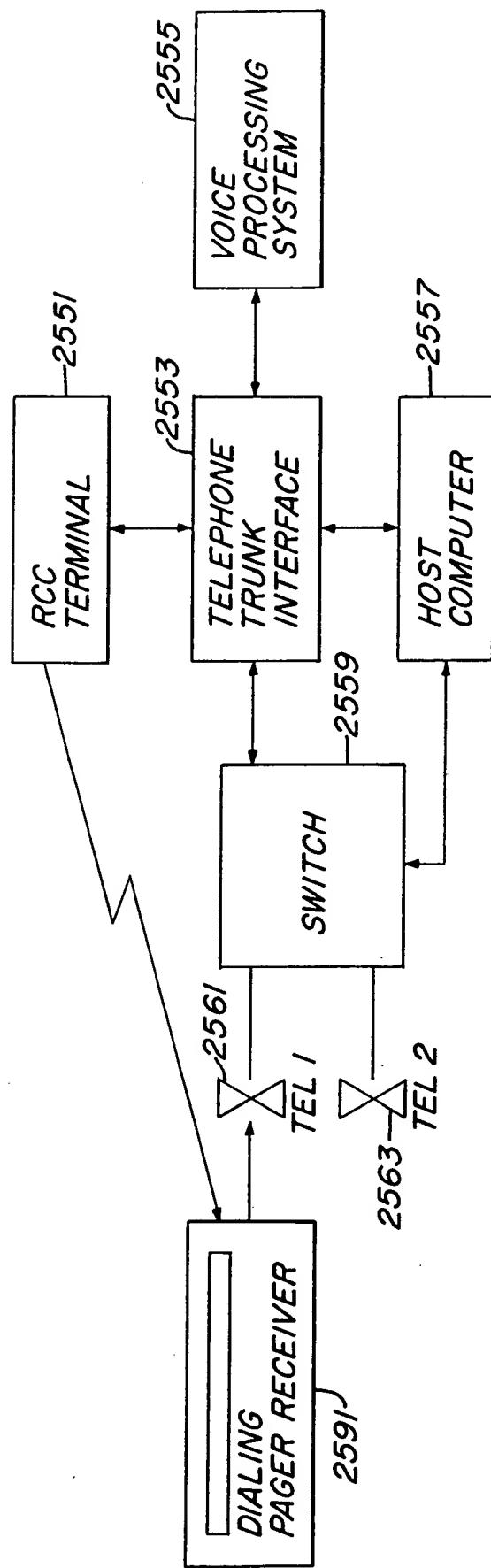


Fig. 10

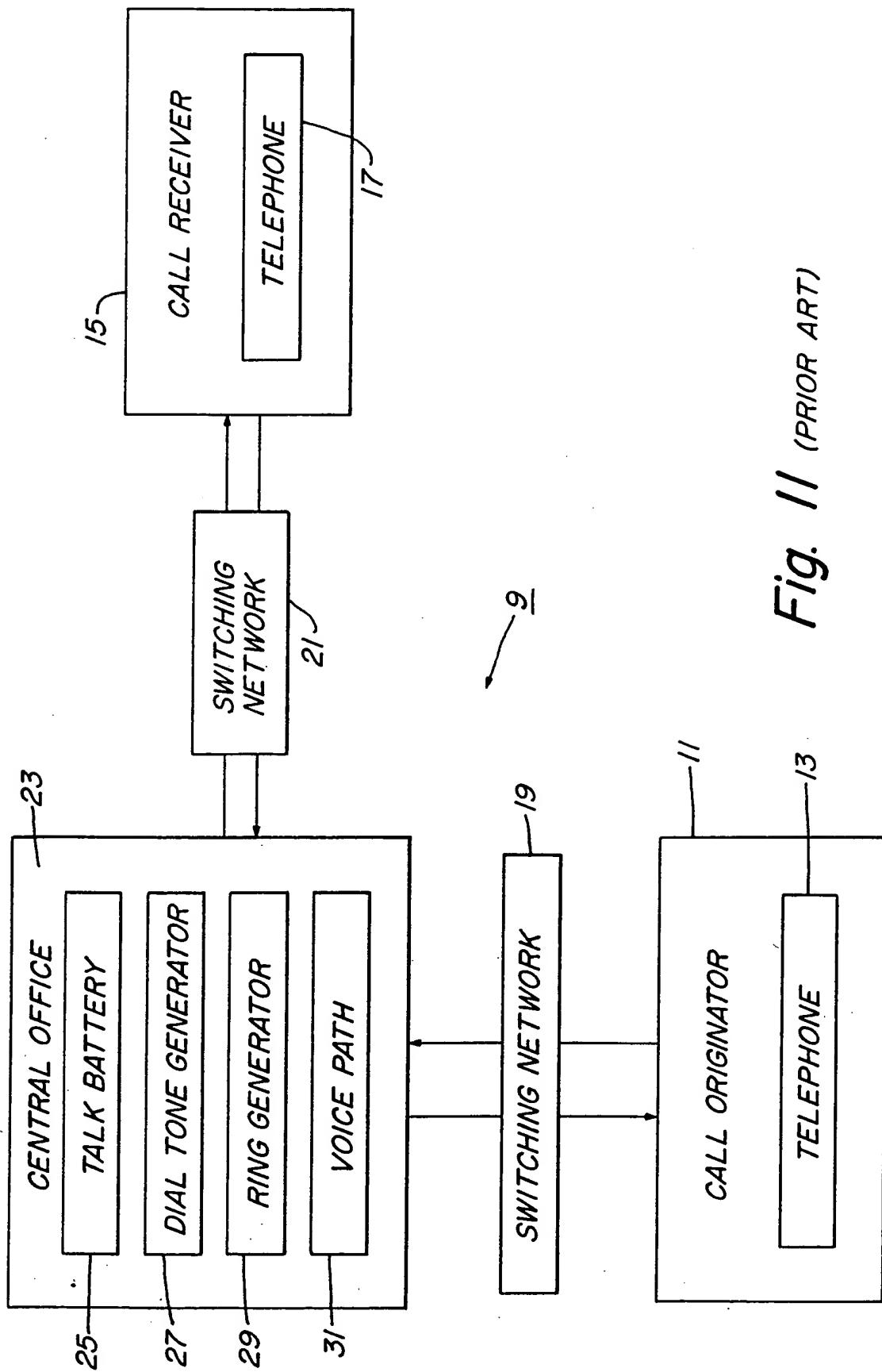


Fig. 11 (PRIOR ART)

24/45

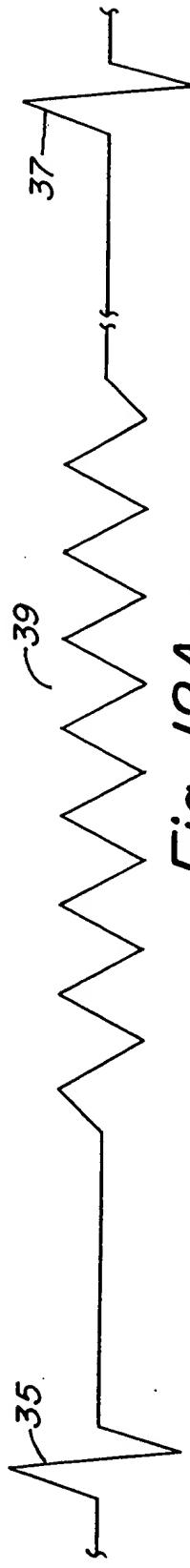


Fig. 12A (PRIOR ART)

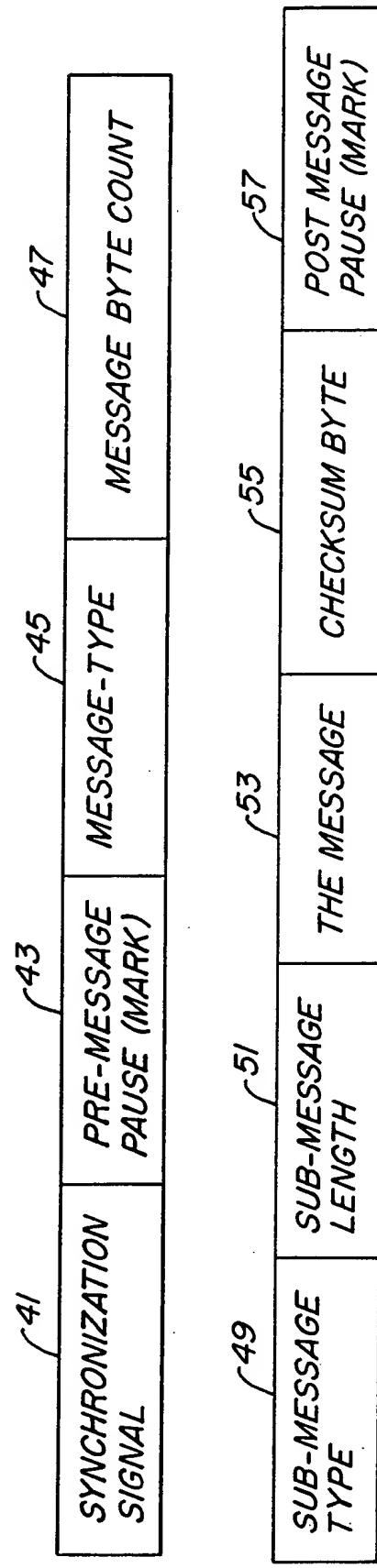


Fig. 12B (PRIOR ART)

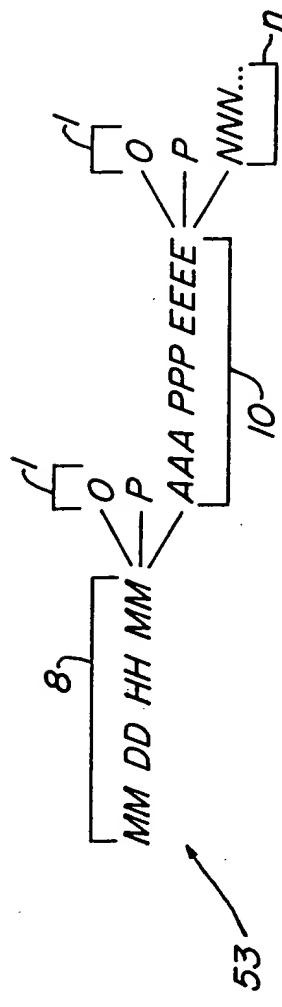


Fig. 12C (PRIOR ART)

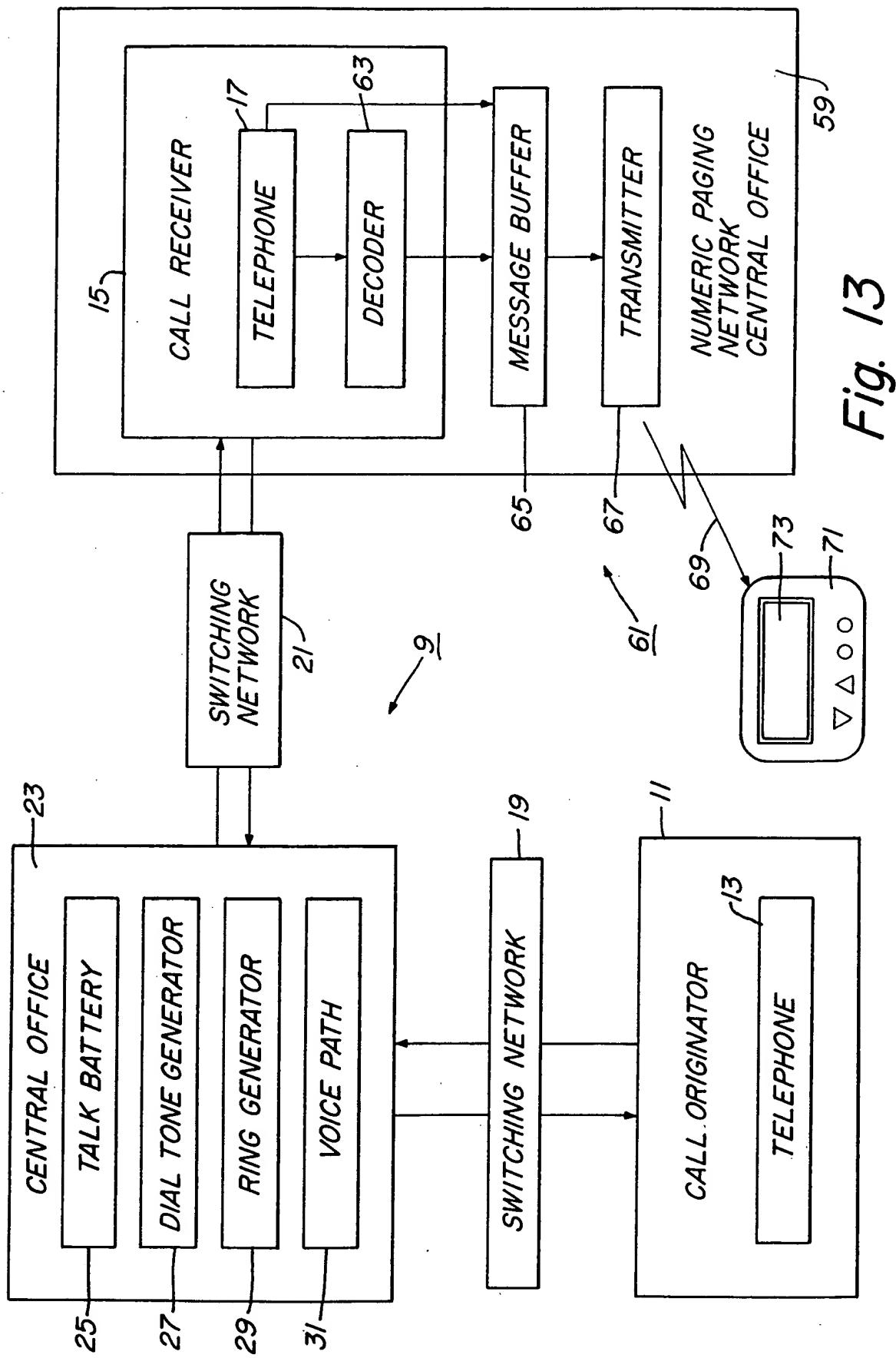


Fig. 13

26/45

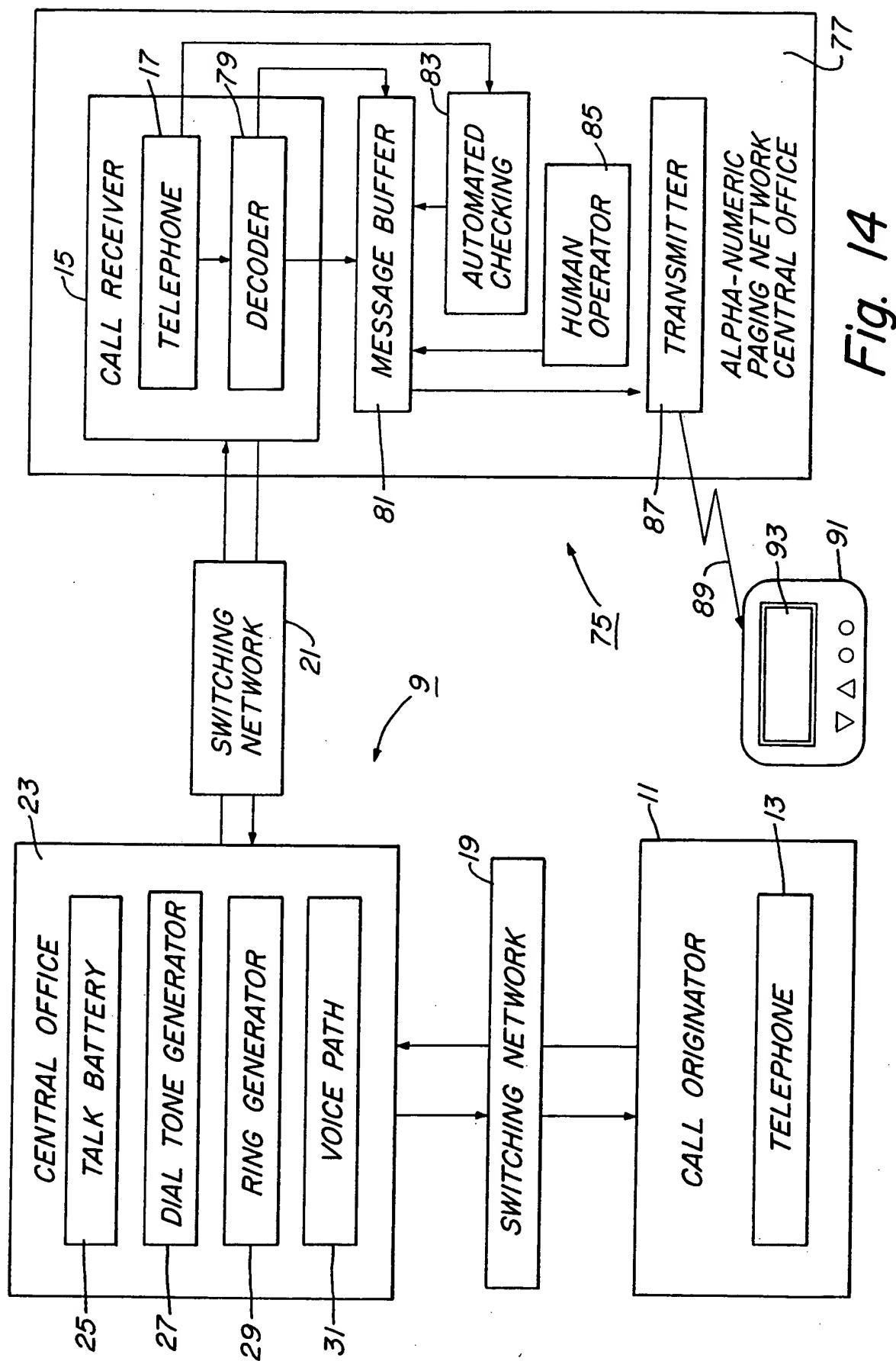


Fig. 14

MESSAGE CODE NO.	TEXTUAL MESSAGE
*1	<i>CALL WHEN YOU RETURN</i>
*2	<i>VOICE MAIL RECEIVED</i>
*3	<i>FAX MAIL RECEIVED</i>
*4	<i>ELECTRONIC MAIL RECEIVED</i>
*5	<i>IMAGE DATA RECEIVED</i>
*6	<i>OTHER DATA RECEIVED</i>
*911	<i>CALL IMMEDIATELY</i>
.	
.	
.	

Fig. 15

28/45

CALLER (NUMERIC LOCATION DATA FROM TEL. CO.)		CALLER ID MESSAGE CODE (DTMF ENTRY)		CALLER IDENTIFICATION DATA (DTMF ENTRY BY CALLER)	
1	NNNN...	ABC...	NN	MM	MM
2	MMMMMM...	DEF	MM	MMN...	MM
49	XXXX...	LMN...	ZI...	WXY...	O2
50	KKKK...	WXY...	WXY...	WXY...	WXY...

Fig. 16

29/45

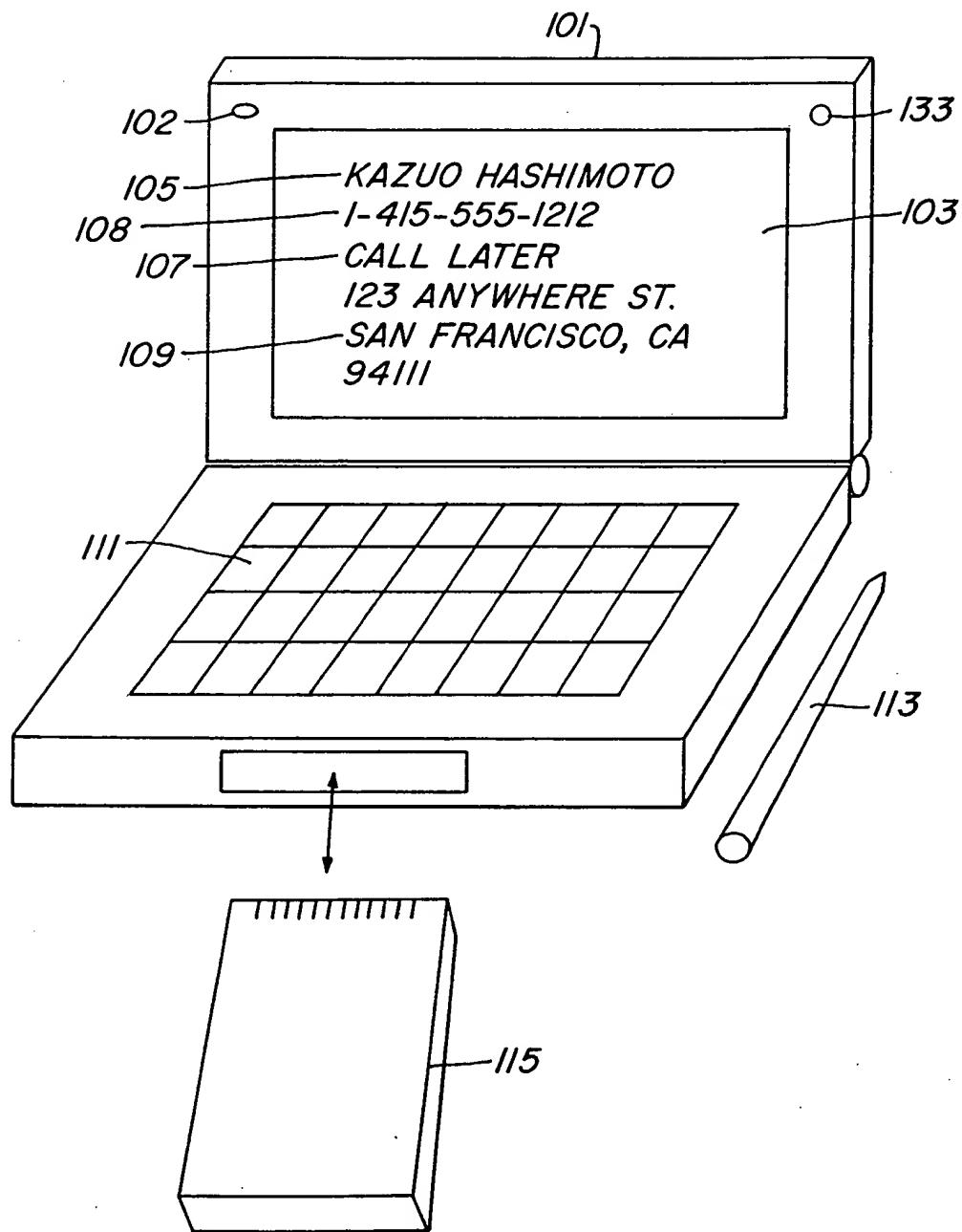


Fig. 17

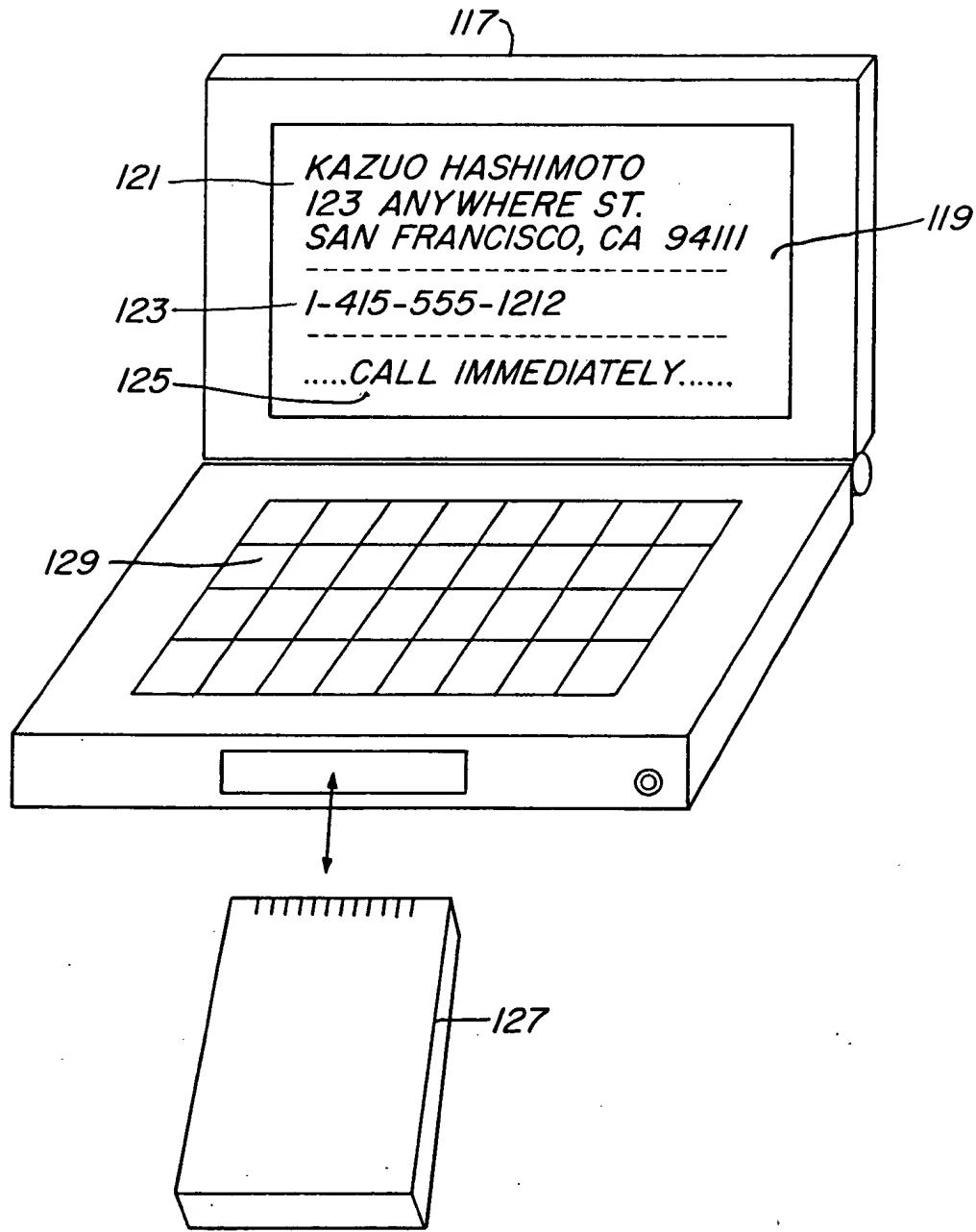


Fig. 18

31/45

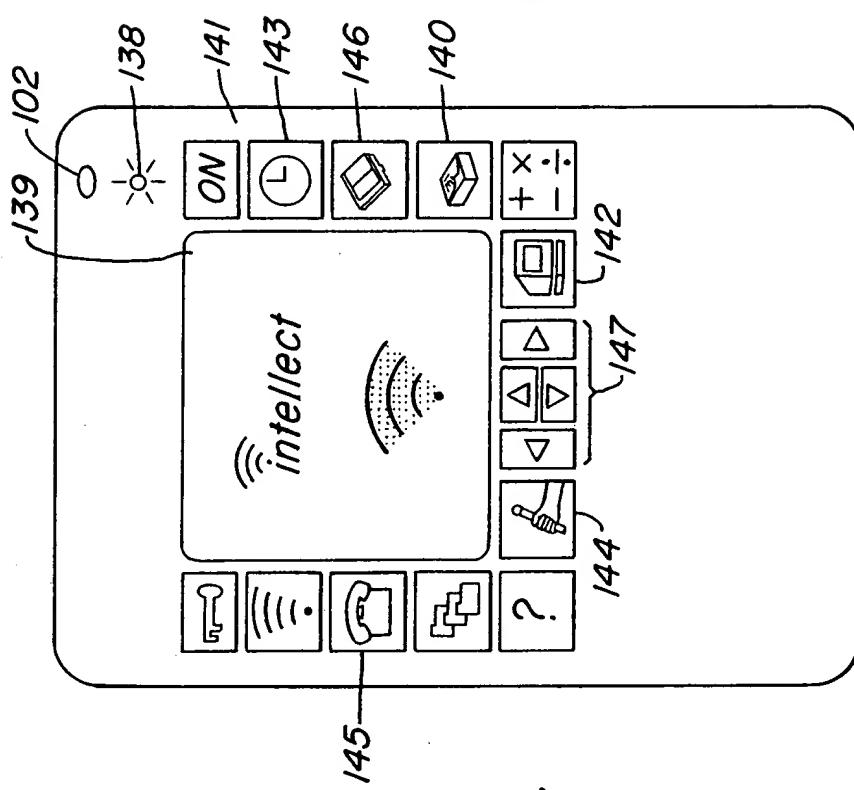


Fig. 19C

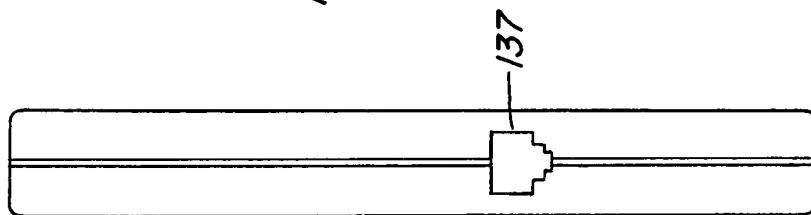


Fig. 19B

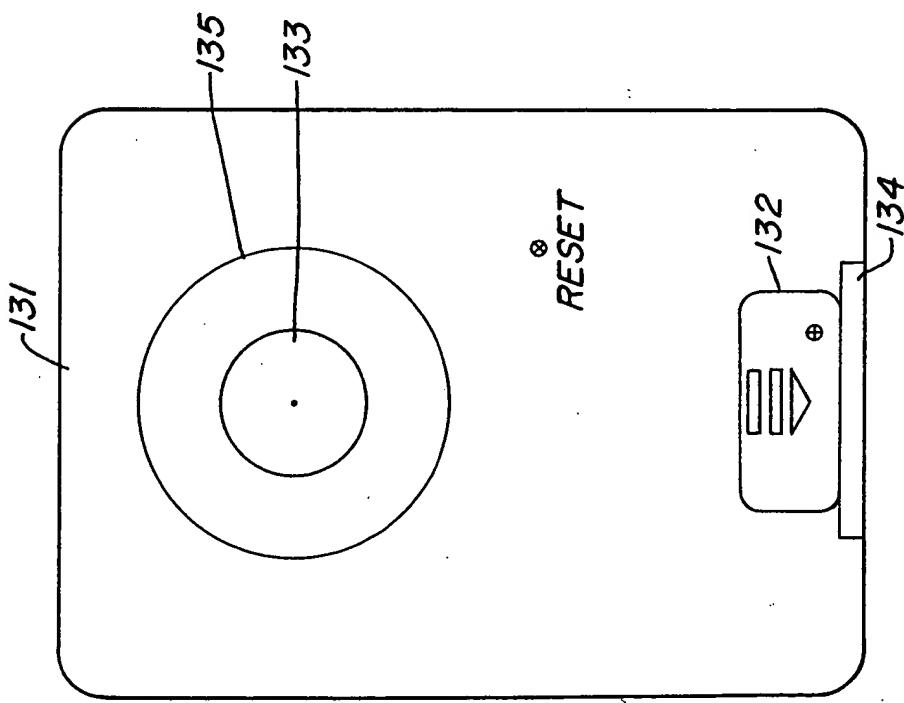


Fig. 19A

32/45

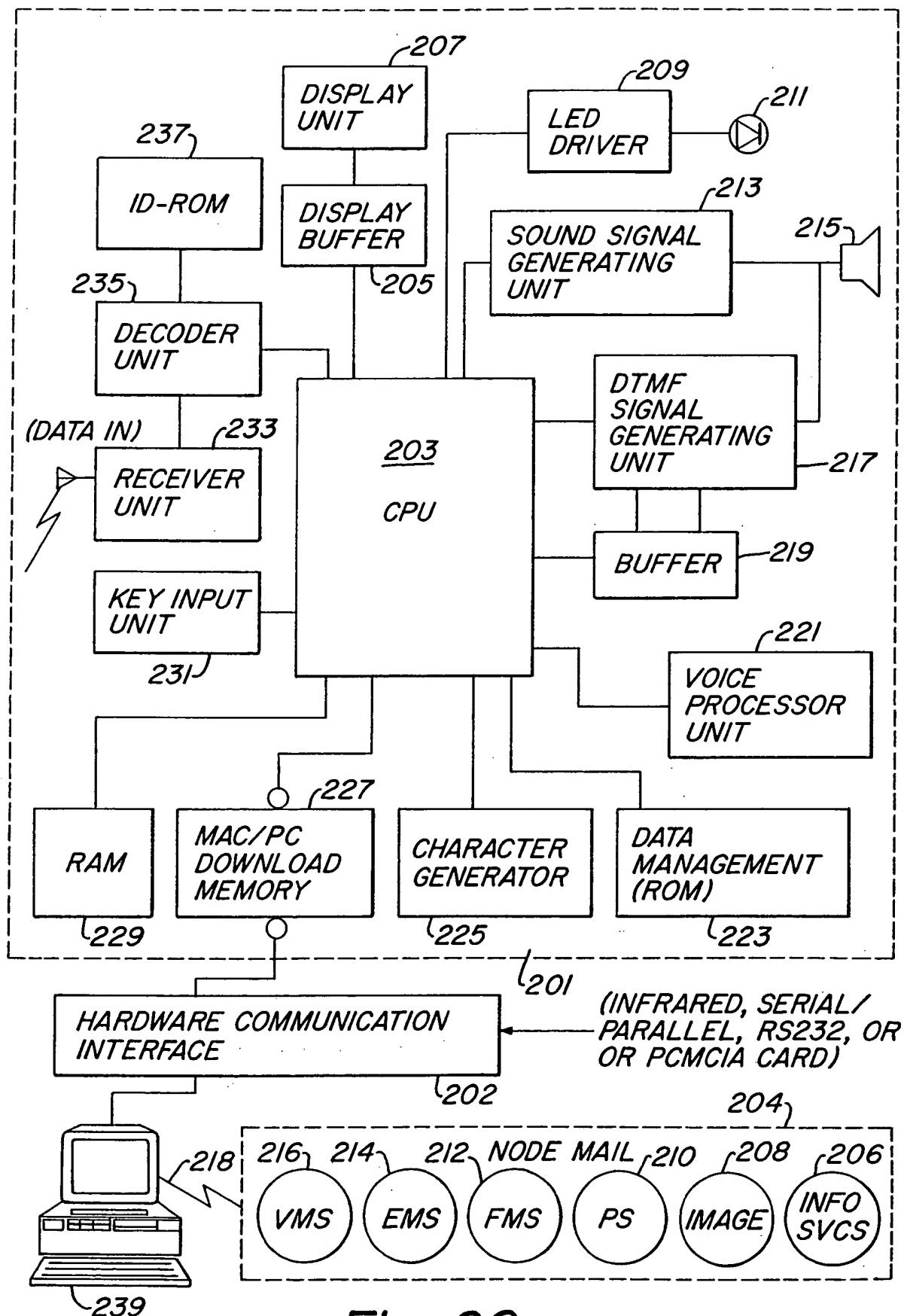


Fig. 20

33/45

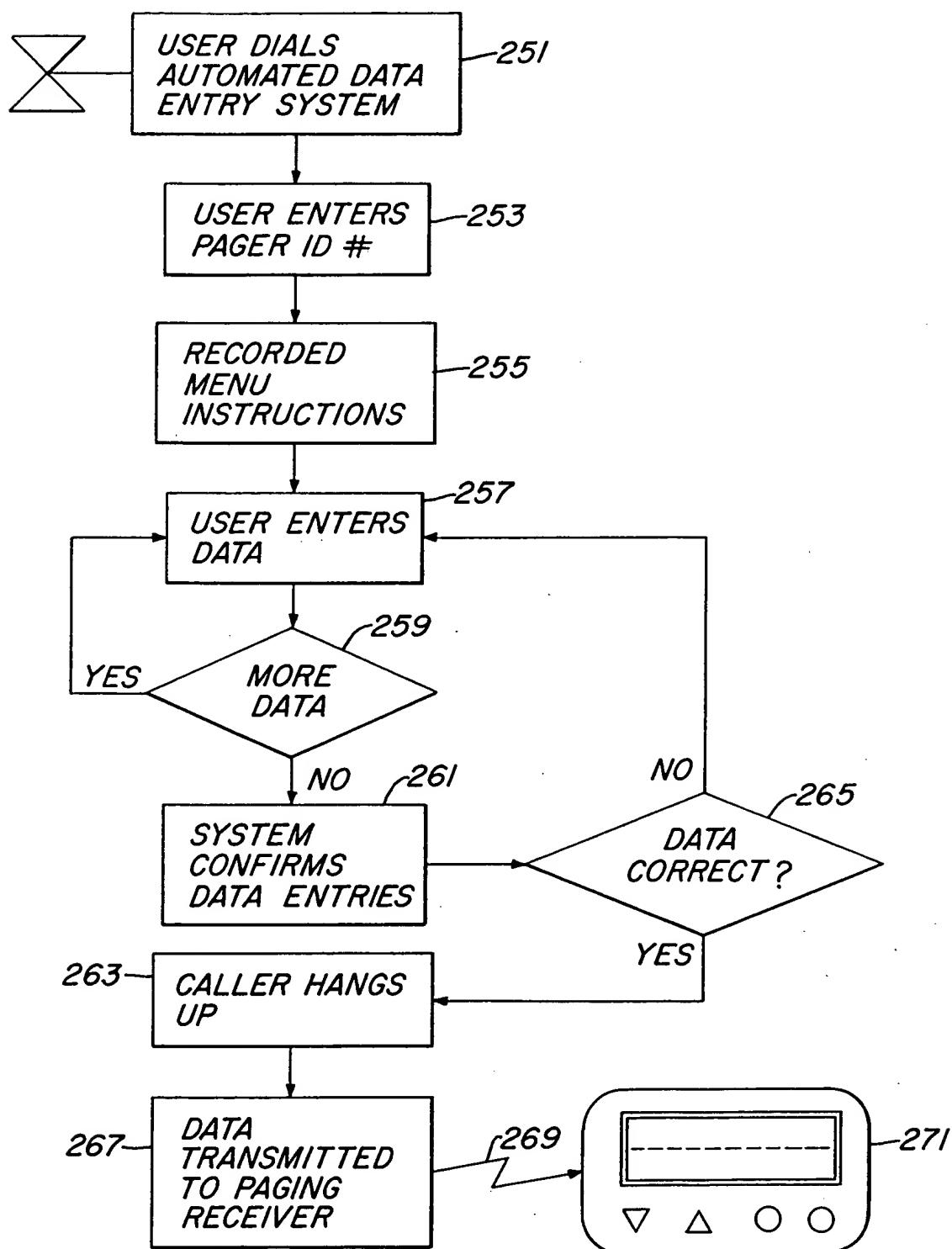


Fig. 21

34/45

TEL. NO.	FAX NO.	NAME	OTHER DATA
1-415-555-1212	1-415-555-2121	KAZUO HASHIMOTO	123 ANYWHERE ST., SAN FRANCISCO, CA V/ TEST PLAZA, PORTLAND, OR BL T
1-503-777-8889	1-503-777-8889	ABC COMPANY	
1-415-541-0500	1-510-444-1212	ZYZ INC.	

Fig. 22

35/45

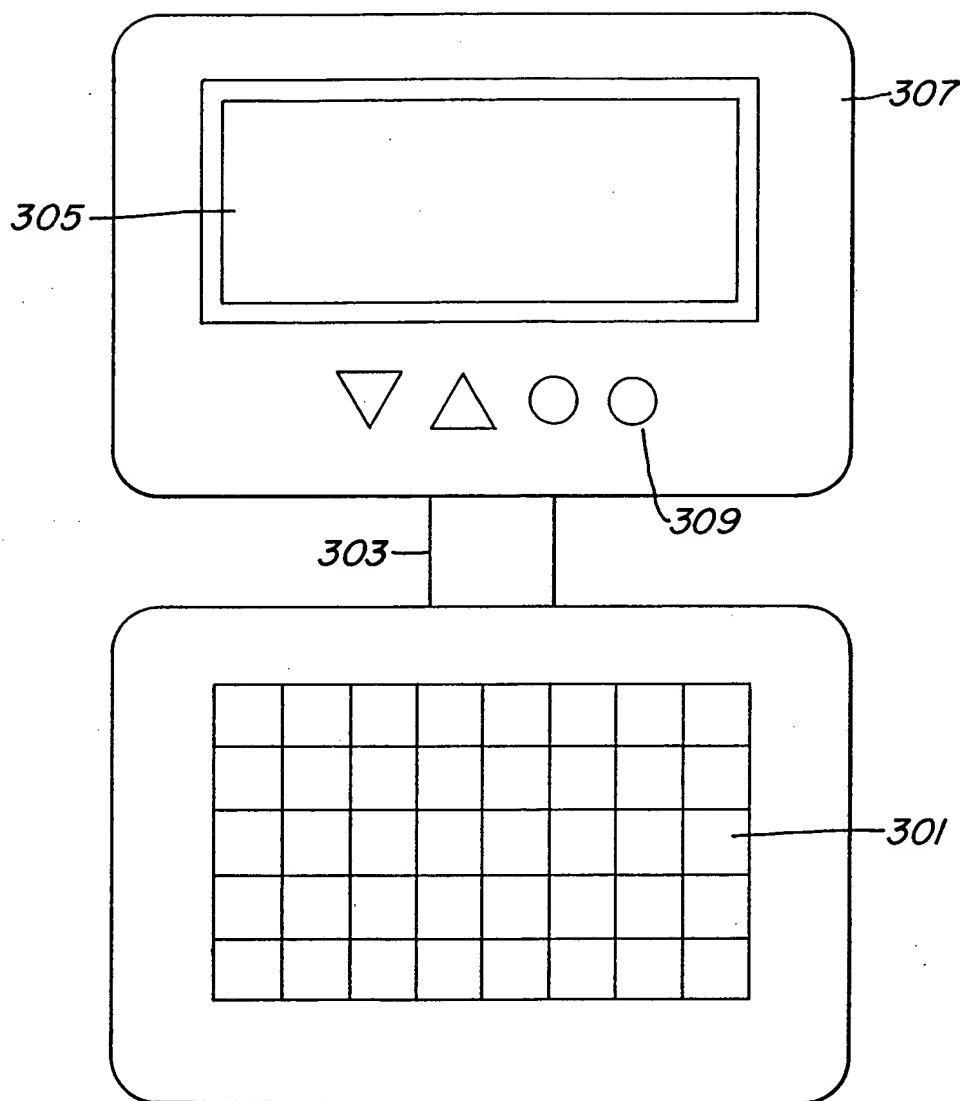


Fig. 23

36/45

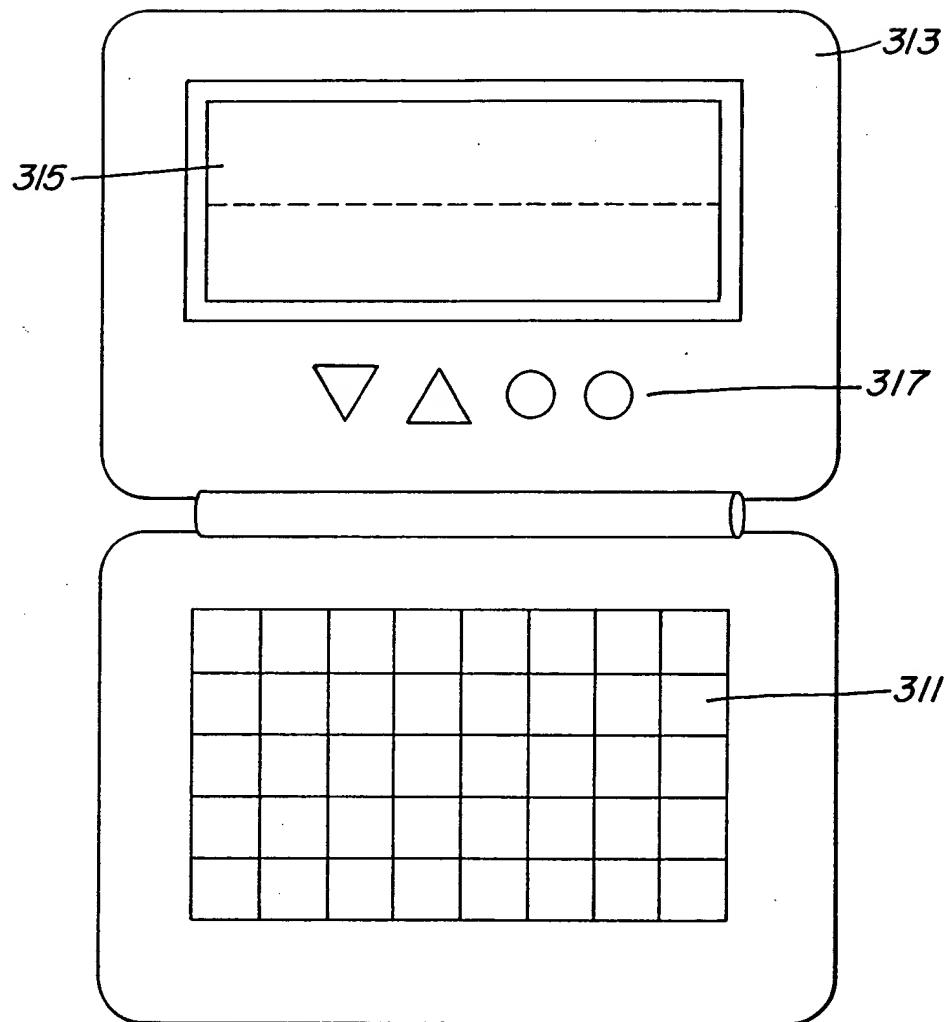


Fig. 24

37/45

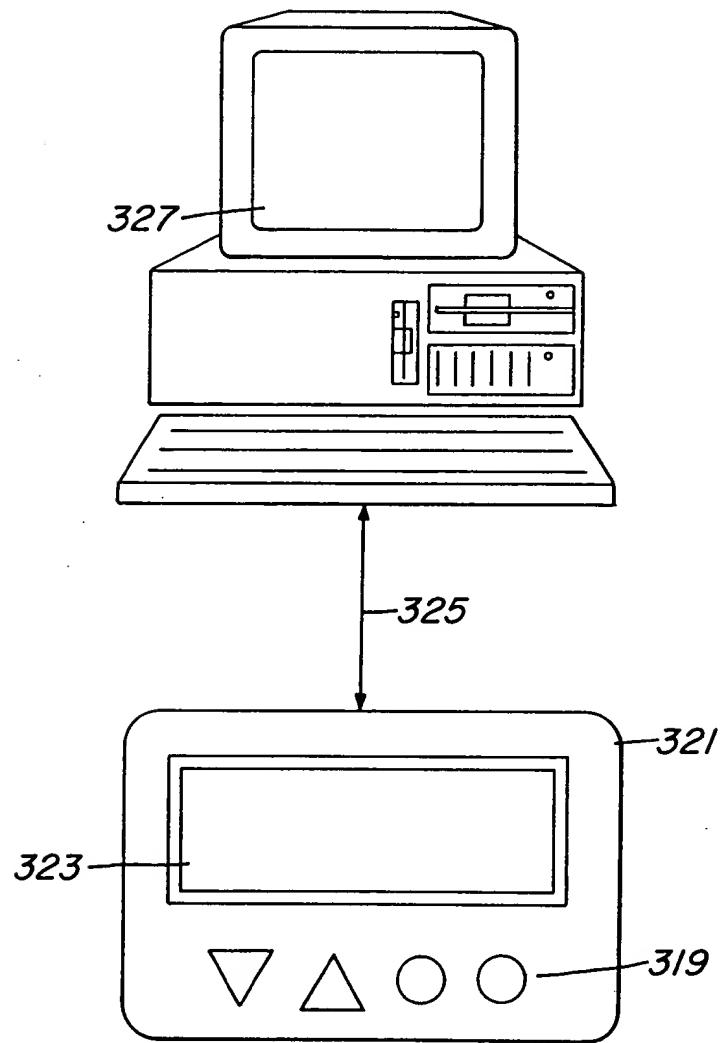


Fig. 25

38/45

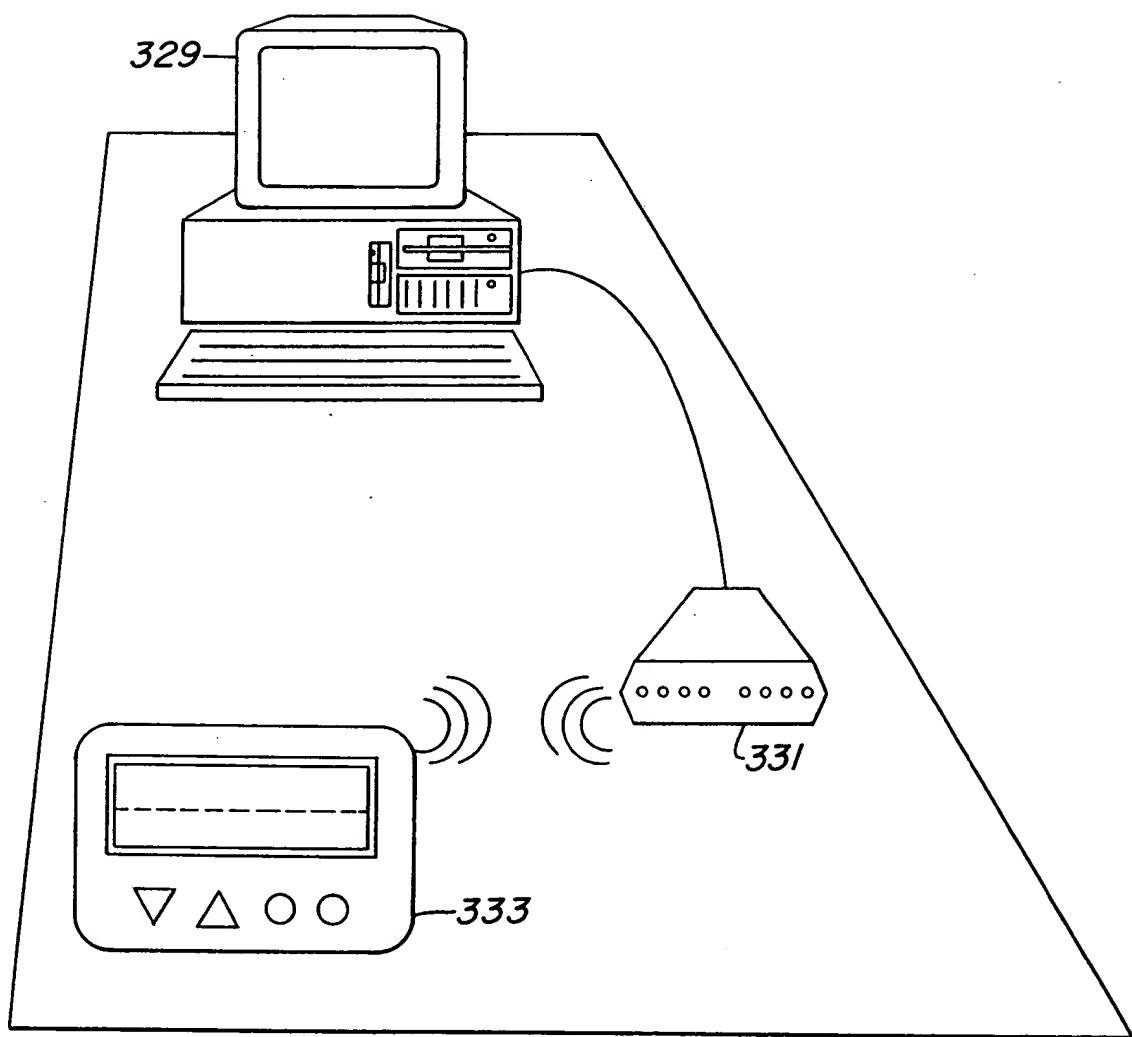


Fig. 26

39/45

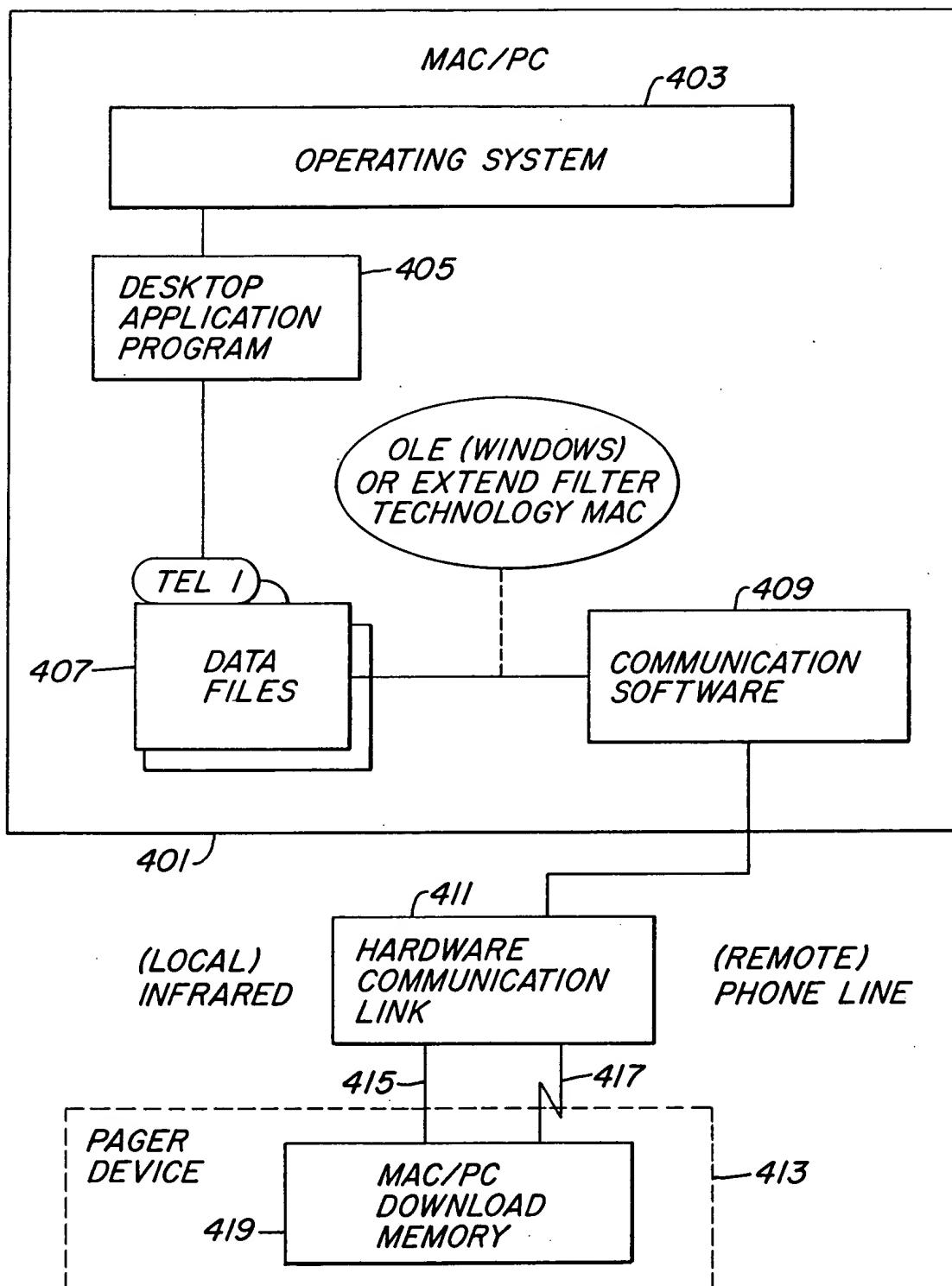


Fig. 27

40/45

421)

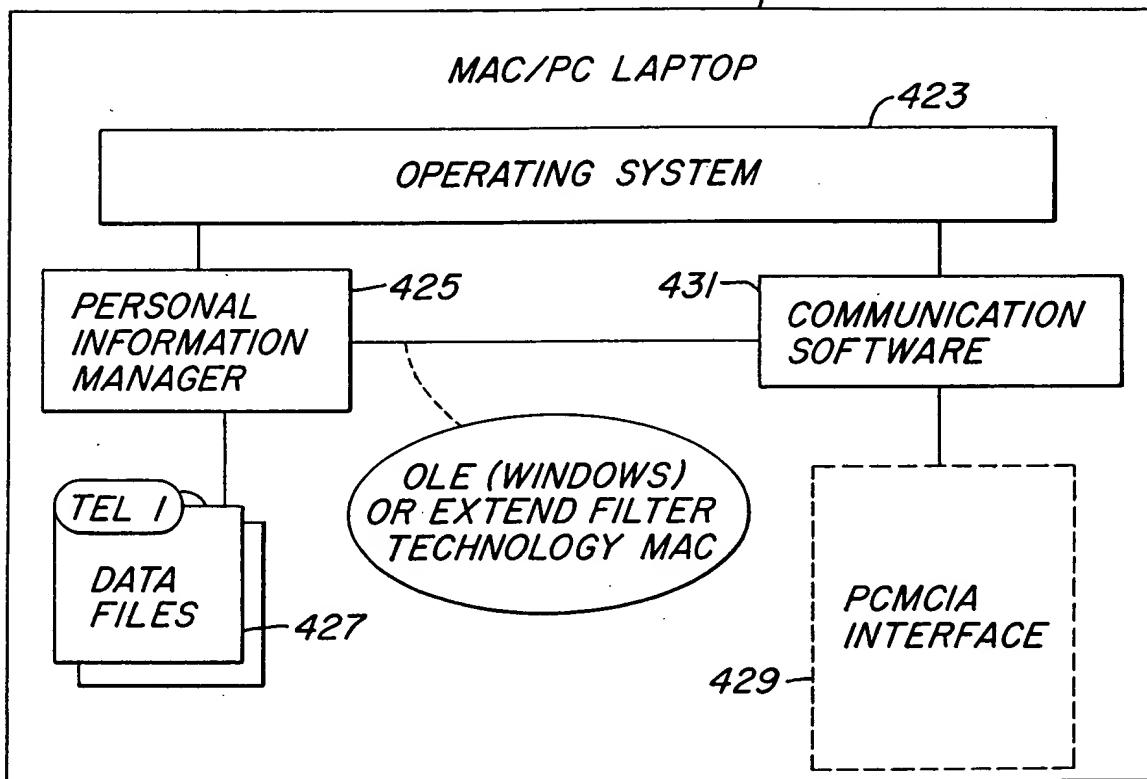
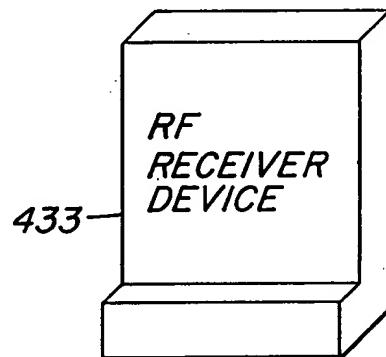


Fig. 28



41/45

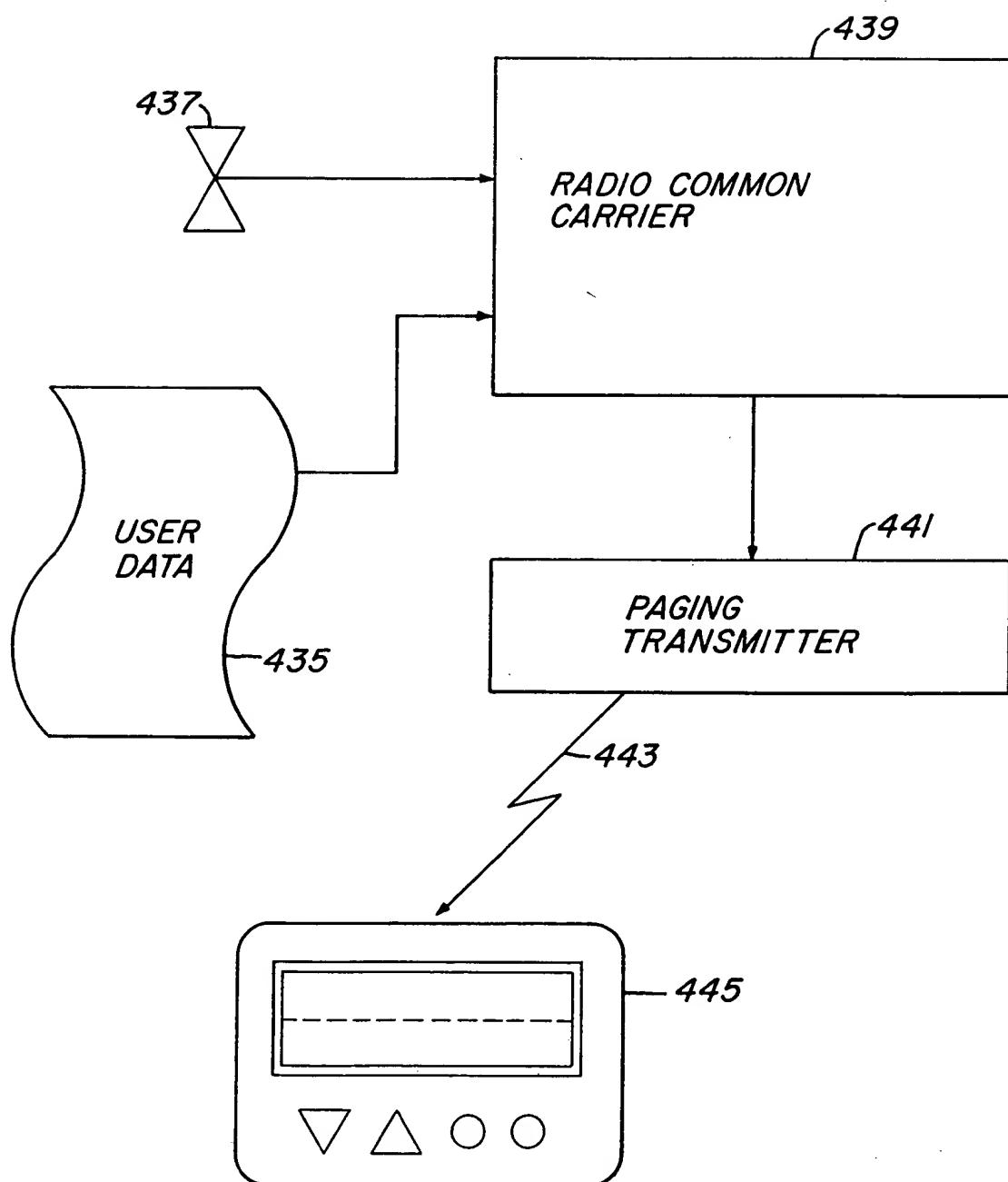


Fig. 29

42/45

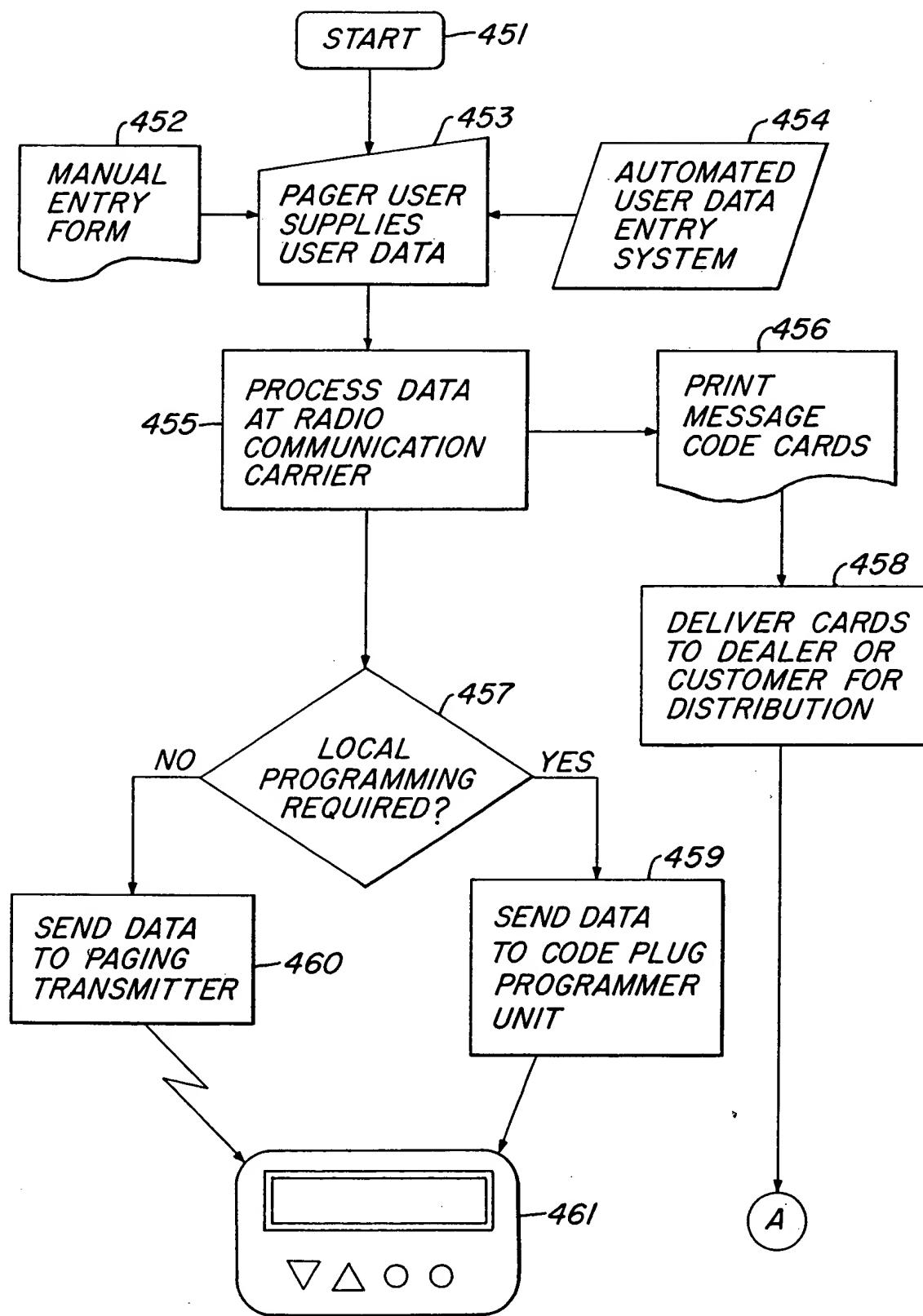


Fig. 30

43/45

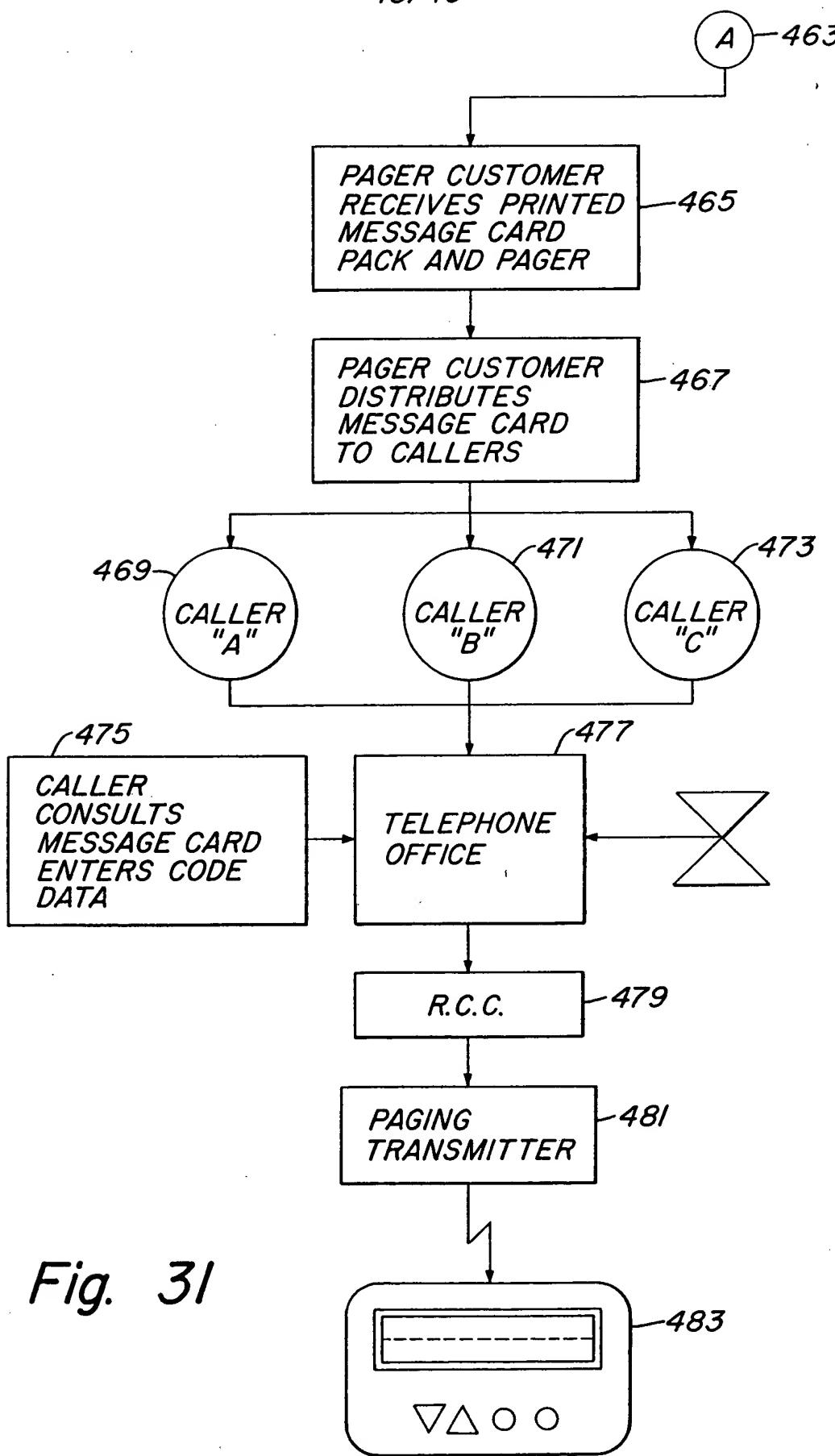


Fig. 31

44/45

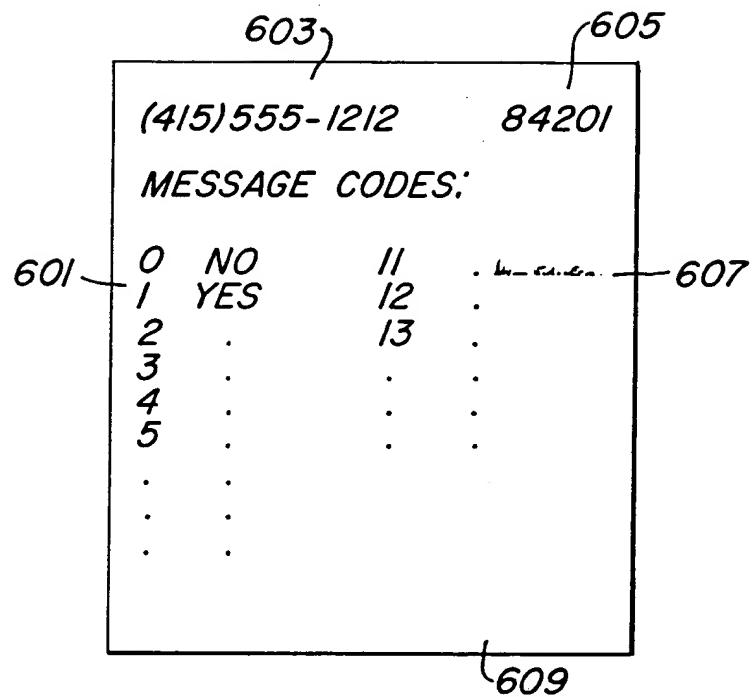


Fig. 32

45/45

MESSAGE CODE	(PLEASE PRINT)	
11	P I C K U P T H E K I D S	611
12		
.	.	.
.	.	.
.	.	.
.	.	.
PHONE DATA	NAME DATA	
613 5 5 5 1 2 1 2	JOHN SMITH	
5 5 5 1 3 1 3	JOHN SMITH-FAX	
.	.	.
.	.	.

615

Fig. 33